

M-GAS USER GUIDE

30 December 2025

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INTRODUCTION

This guide describes the features of the **M-GAS (spot gas market MP-GAS and forward gas market MT-GAS)**, **MGS (regulated market for the trading of gas stored)**, **MPL (locational products market)**, **MAST (gas market for SRG TSO auction)**, which belong to the **Gas Market Platform**. The guide is intended for participants, who/which will find here all the pages of the portal and the description of all the features that they may access.

TYPES OF USERS

The M-GAS, MPL, MAST and MGS platforms distinguish between **users** and **participants**. The user has the credentials to participate in the M-GAS platform, or in the balancing market platforms MGS and MPL, and in the Gas Platform for SRG TSO MAST auctions and to use their features. Each user may be associated with one or more gas market participants. Therefore, each transaction towards the system is carried out by the user on behalf of a participant.

The portal manages two types of users:

- **User:** conventional user authorised to use all the features available for participants, e.g. submitting transactions.
- **Viewer:** user authorised only to view the data without submitting transactions into the system.
- **MT-GAS user:** similar to the user, he/she may submit and manage bids/offers only for the products of the forward segment, i.e. all types of products except those for the MI and MGP. For MI and MGP products, this user acts as a viewer.
- **M-GAS user:** similar to the user, he/she may submit and manage bids/offers only for the products of the spot segment, i.e. only the types of products for the MI and MGP. For the remaining types of products, this user acts as a viewer.

In this guide, unless otherwise specified, reference will be made to **users**.

The four portals are integrated. Therefore, an M-GAS user is also authorised for the MPL balancing platform and for the balancing markets MGS and for the Gas Platform for SRG TSO MAST auctions. In this case, the user shares the access and signature credentials (as shown later) among the various platforms.

Conversely, a gas market participant is authorised always for all the platforms (M-gas, Mgs, Mpl and Mast with a single authorisation for the M-GAS). The user accessing the M-GAS will have all participants assigned to him enabled for that platform.

FEATURES OF THE MGAS PORTAL

This section describes the features offered by the portal. First, the user must obtain access to the portal. After completing all the procedures specified by the applicable legislation, the user must register with the portal as indicated in the following paragraphs.

REGISTRATION WITH THE PORTAL

Go to the <https://gas.ipex.it/gaswebsite/Register.aspx> page and submit your credentials. When you try to access the page, you will get a pop-up window (Figure 1). On this window, you may select the certificate to be used for future authentication with the portal. Select one certificate and click on **Ok**.

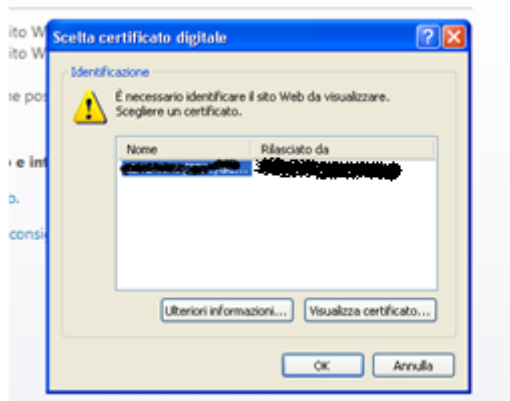


Figure 1: selection of authentication certificate

In the page shown below, you may enter your key data for registration, i.e. your name and surname and the registered name/company name of the participant with whom/which you are associated. You may also add a textual note to your identification data.

REGISTRATION DATA

name:	<input type="text" value="Utente"/>
surname:	<input type="text" value="Test"/>
market player:	<input type="text" value="Gas Demo S.p.A."/> X
notes:	<div></div>
<input type="button" value="Reset"/> <input type="button" value="send"/>	

Figure 2: entry of key identification data

After filling in the required fields, click on **invia** (send) to enter your request into the system. You will receive a message about successful or unsuccessful completion of the request.

AUTHENTICATION

Authentication with the portal takes place through a **client authentication certificate**.

After authentication, you will retain the credentials to operate on the portal until the session expires or is explicitly closed.

SIGNATURE CERTIFICATE MANAGEMENT

To use a signature certificate, you must set up your computer to support software certification, as explained later.

SIGNATURE SUPPORT SET-UP

To authenticate with the portal and sign the content of messages, you must install a plug-in which supports certificate activities. First, download the installation file from GMECabs/GMECabs.exe.

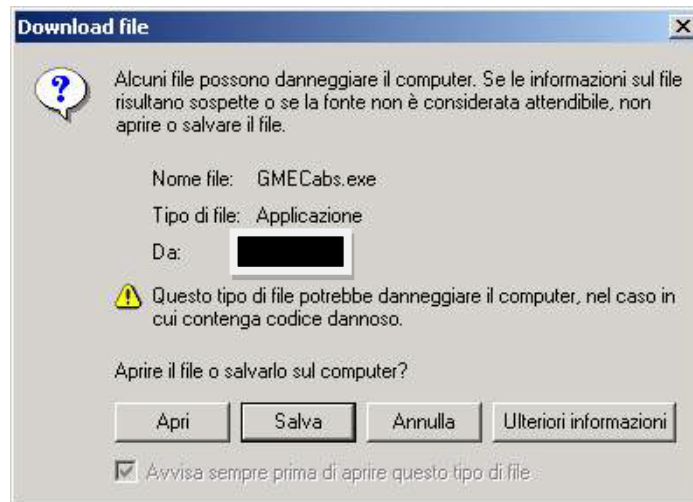


Figure 3: plug-in download

After completing the download, save the file without running it (Figure). Save the file to any directory, e.g. **c:\plugin**.

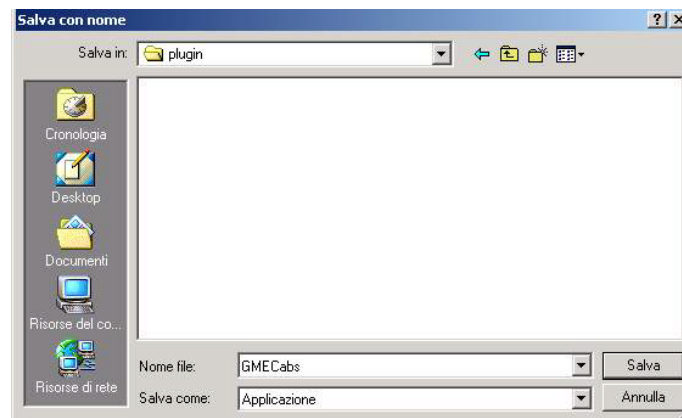


Figure 4: saving of installation file

After saving the file, open an MS-DOS prompt window. On Windows **Start** menu, click on **Run**, and enter **cmd**.

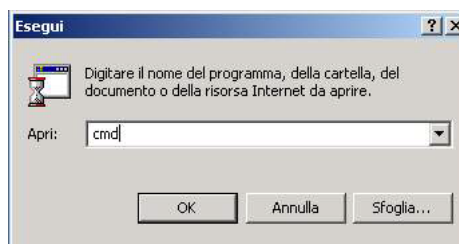


Figure 5: launching of MS-DOS window

Now, go to the directory where you have saved the installation file (e.g. **c:\plugin**) and enter **cd c:\plugin**.

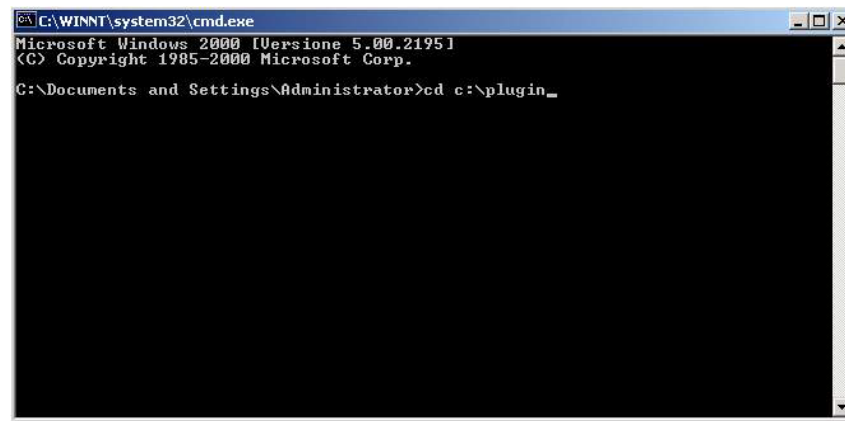


Figure 6: access to the installation file directory

After entering the **c:\plugin** directory, run the **GMECabs.exe** file, by entering **GMECabs.exe**, as shown in Figure 7.

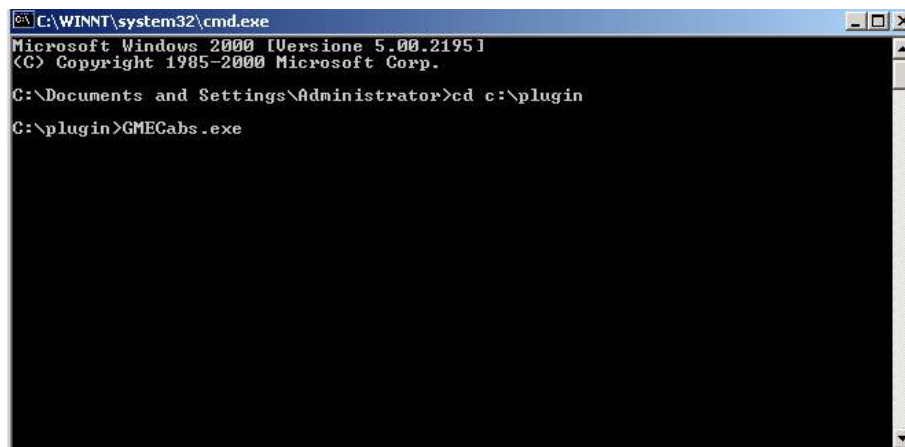


Figure 7: running of GMECabs.exe.

Then, confirm the directory where the files will be extracted (e.g. **c:\plugin**).

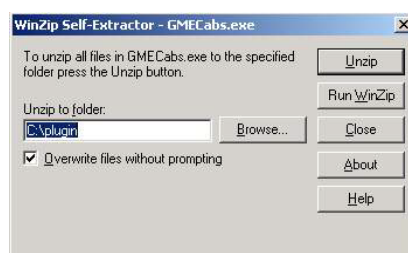


Figure 8: directory where the files will be extracted

Finally, access the **GMECabs** subdirectory by entering the **cd GMECabs** command and run the **.bat** file as shown in Figures 8 and 9.

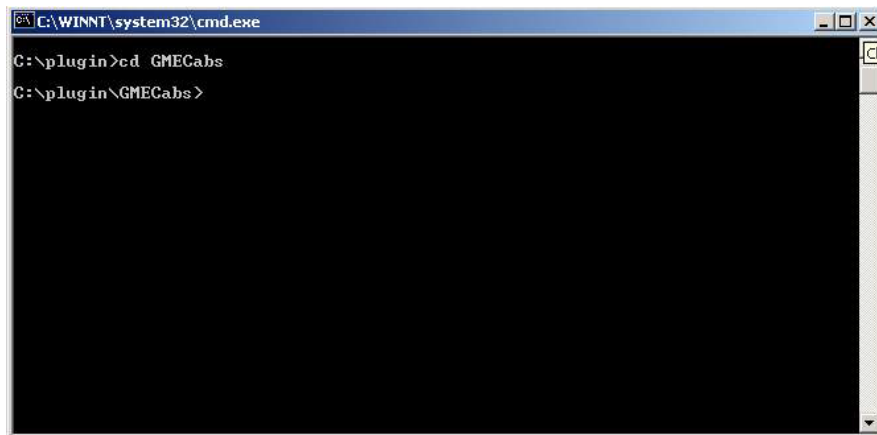


Figure 9: access to the GMECabs directory

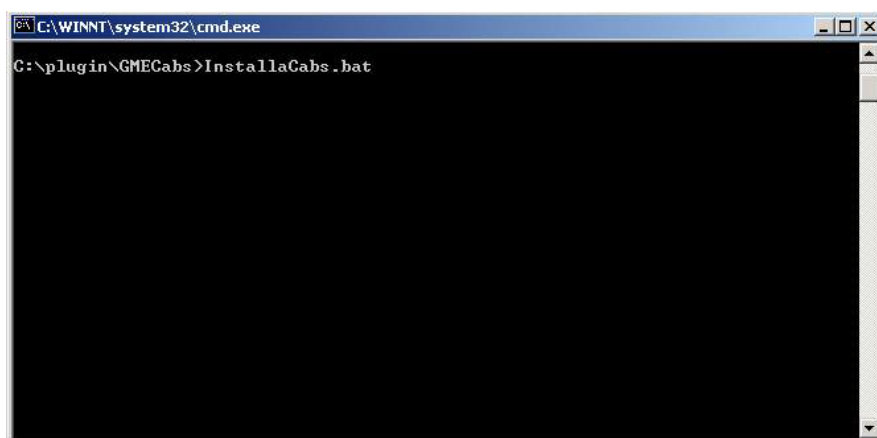


Figure 10: running of the .bat file.

Now, you may register with the system with your own certificate.

ADDITION OF A NEW SIGNATURE CERTIFICATE

By clicking on [gestione firma](#) (signature management), you access a page on which you may manage your signature certificate. If you have no signature certificate, the page will be as shown in Figure 11: through the **Aggiungi** (add) link, you may add a certificate.

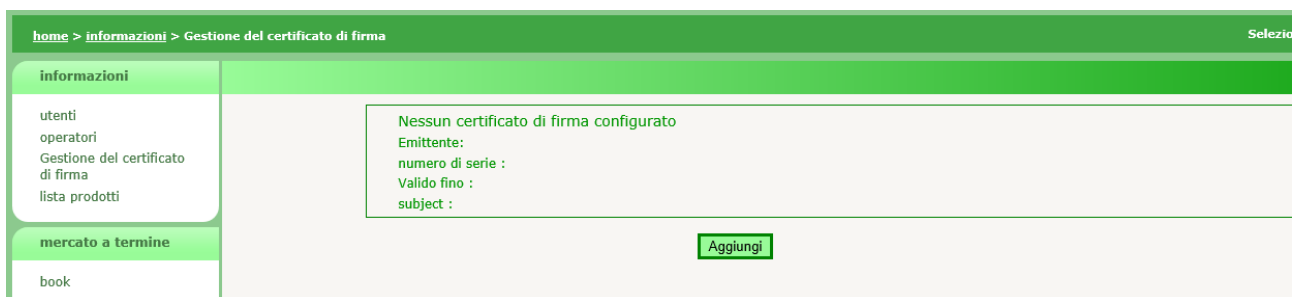


Figure 11: the user has no signature certificate but may add one on this page

By clicking on **Aggiungi** (add), you may select the certificate that you wish to use (to sign the transactions to be entered into the system) among the ones installed in your computer. See Figure 12.

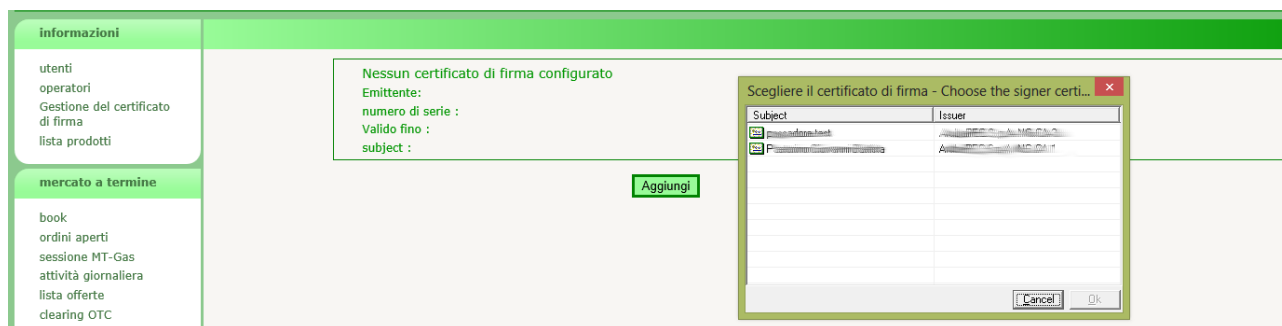


Figure 12: entry of new certificate

After selecting the certificate, its details will be shown on the page. At this stage, you must confirm the entry of the certificate, by clicking on **Salva** (save).

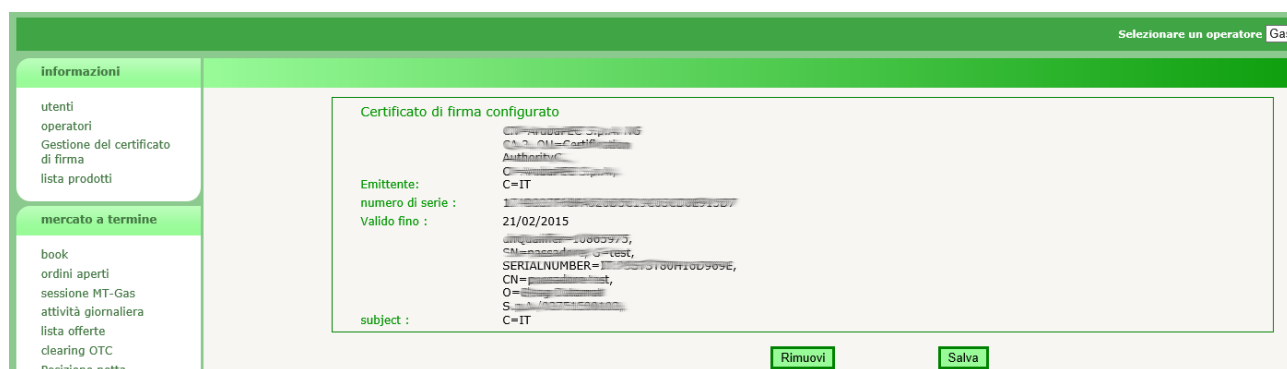


Figure 13: details of the certificate being entered


After entry, the certificate must be authorised by the portal administrator to be used in the transactions.

HOMEPAGE

Figure 14 displays the homepage of the portal with the numbers of its four main sections, which are always available whatever the page opened by the user.

USER DETAILS AND LOGOUT

Section **(1)** shows the name of the authenticated user and his/her role (**user**, **viewer**, **MT-GAS user**, or **M-GAS user**). A drop-down menu, placed immediately beside the name, will permit you to select the language in which the content of the portal will be displayed. The content of the pages will be available in the selected language. By changing the language, you will be able not only to change the textual parts, but also the date format, in Italian (*it-IT*) or English (*en-GB*), and the decimal separator for figures: comma (",") for Italian and point (".") for English.

By clicking on the  icon on the right side of the screen, you may quit the portal, closing the session. If you wish to access the portal again, you must authenticate yourself again.

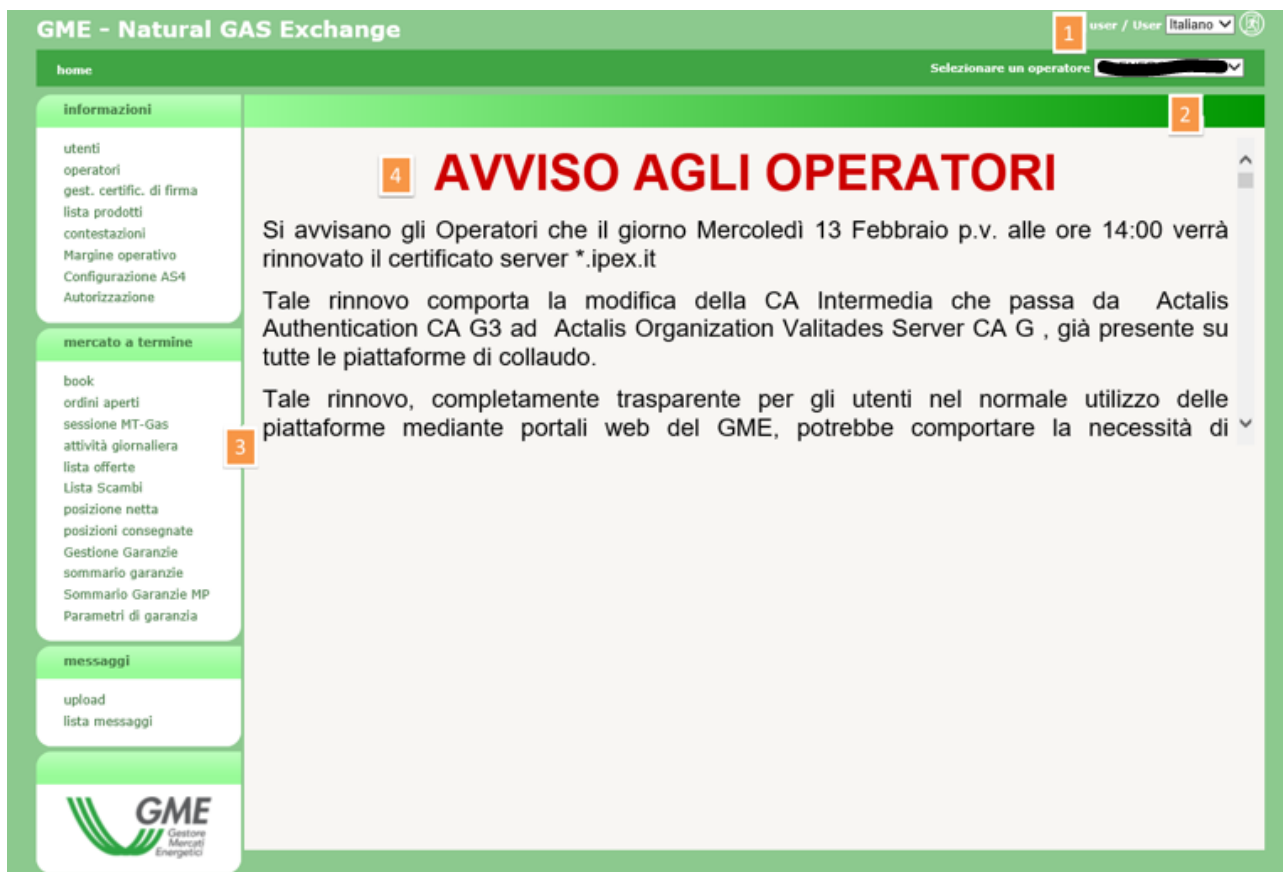


Figure 14: homepage of the portal

AUTHORISED PARTICIPANTS

Section **(2)** gives access to a drop-down menu with all the participants authorised to operate in the M-GAS and represented by the current user. The transactions that the user carries out on the portal, e.g. entry of bids/offers, are associated with the participant selected on that menu.

MENU

Section **(3)** is a menu with the link to all the pages that the user may reach. The **data** section gathers all the pages with useful information for users. The **forward market** section gathers all the pages for bid/offer entry and monitoring, market session status and results, data on net positions and on the financial guarantee.

Finally, the **messages** section shows all the pages for uploading xml files and the list of input/output messages of the participants associated with the user.

MAIN CONTENT

The last section **(4)** shows the content of the pages. The homepage of Figure 3 contains messages to participants.

FILTERS AND REPORTS

Before reviewing the pages of the portal, it is worth describing one feature that is common to all the pages showing a report.

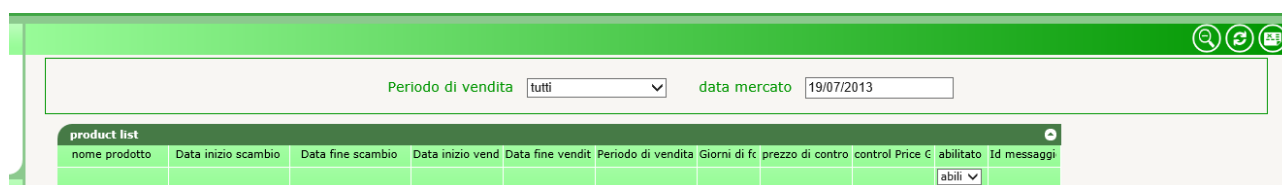






Figure 15: filters and Excel reports

Each page with a report has a filter section, which is not usually shown when the page is opened. To show it, click on the  icon of the top-right group. Conversely, to hide it, click on the  icon. You will see the filter section where you may enter values to restrict the number of results shown by the underlying report. To download the report considering the appropriate filters, click on . Finally, you may export the report in Excel format by clicking on . After clicking on the latter icon, the page will prompt you to save the report in Excel format, showing all the results (obviously without the paging of results appearing on the web page).

For practical purposes, some filters are shown on the columns. Figure 15 (next-to-the-last column “abilitato” – authorised) contains a filter showing all the possible values. After changing the filter, refresh is automatic.

operatori	ragione soc. ↕	cod. operatore
Royalties EDISON SPA		r00008
Royalties ENI S.P.A.		r00018
Royalties SHELL ITALIA E&P SPA		r50035
Royalties SOCIETA' ADRIATICA IDROCARBURI		r50010
ZZ Royalties SOCIETA' ADRIATICA IDROCARBURI		r90109
ZZ Royalties SOCIETA' IONICA GAS SPA		r90108
ZB ENERGIA S.P.A.		00041
ZV ENERGY SRL		00198
50 Hertz SRL		50076
A2A S.P.A.		00267
ACEA Energie SPA		00275
ACFA DINFICI F&F ENERGIA SRL		50045

Figure 16: list of participants authorised to operate on the platform

PARTICIPANTS' PAGE

The [participants'](#) page displays the list of participants authorised to operate in the M-GAS. This is a read-only page and only shows the registered name and the code of the participant.

USERS' PAGE

The [users'](#) page is another read-only page displaying all the users authorised to operate on behalf of the participant selected on the top-right drop-down menu.

GME - Natural GAS Exchange

home > informazioni > utenti

Selezionare un operatore

informazioni

- utenti
- operatori
- gest. certific. di firma
- lista prodotti
- contestazioni
- Margine operativo
- Configurazione AS4
- Autorizzazione

mercato a termine

- book
- ordini aperti
- sessione MT-Gas
- attività giornaliera
- lista offerte
- Lista Scambi
- posizione netta
- posizioni consegnate
- Gestione Garanzie
- summario garanzie

utenti	nome	cognome	Descrizione	tel.	email	certificato	cert. di firma	operatori	abilitati	refresh
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
...	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
...	User			infocert auth AC ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	
...	User			infocert auth AC ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10	

Page: 1 - N° totale pagine: 1 - 110 Righi per pagina Righi da 1 a 10 - N° di righi totali: 10

Figure 17: users' page

The data in the table is as follows: username, name and surname of the user, his/her role, data on the authentication and signature certificate, the participant on behalf on which/whom the user is authorised to operate (i.e. the current participant) and the specification of whether the user is authorised or not.

LIST OF PRODUCTS

The next page to be described is the one with the [list of products](#). It is a report with the products created on the platform. Only the products being traded on today's date will be shown by default. However, you may change the filter values, by accessing the hidden filter management window.

GME - Natural GAS Exchange

user / User Italiano

home > informazioni > lista prodotti

Selezionare un operatore

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posizione netta

posizioni consegnate

Gestione Garanzie

summario garanzie

product list

nome prodotto	inizio contrat.	fine contrat.	inizio delivery	fine delivery	Periodo di vendita	Giorni di fl.	prezzo di contro.	control Price €	abilitato	id msg
CY-2020	30/12/2018 06:00:00	30/12/2019 02:30:00	01/01/2020	31/12/2020	Annuale	366	21,82	0,25	<input checked="" type="checkbox"/>	576294
Q-2020-04	29/09/2019 06:00:00	29/09/2020 02:30:00	01/10/2020	31/12/2020	Trimestrale	92	25,86	0,25	<input checked="" type="checkbox"/>	576291
S5-2020	30/03/2019 06:00:00	30/03/2020 02:30:00	01/04/2020	30/09/2020	Semestrale	183	24,99	0,25	<input checked="" type="checkbox"/>	576292
Q-2020-03	29/06/2019 06:00:00	29/06/2020 02:30:00	01/07/2020	30/09/2020	Trimestrale	92	24,78	0,25	<input checked="" type="checkbox"/>	576290
Q-2020-01	30/12/2018 06:00:00	30/12/2019 02:30:00	01/01/2020	31/03/2020	Trimestrale	91	23,9	0,25	<input checked="" type="checkbox"/>	576288
Q-2020-02	30/03/2019 06:00:00	30/03/2020 02:30:00	01/04/2020	30/06/2020	Trimestrale	91	25,2	0,25	<input checked="" type="checkbox"/>	576289
M-2020-02	31/10/2019 06:00:00	31/01/2020 02:30:00	01/02/2020	29/02/2020	Mensile	29	26,4	0,25	<input checked="" type="checkbox"/>	576287
WE-2019-51	18/12/2019 06:00:00	21/12/2019 02:30:00	21/12/2019	22/12/2019	WeekEnd	2		100	<input checked="" type="checkbox"/>	0
M-2020-03	30/11/2019 06:00:00	29/02/2020 02:30:00	01/03/2020	31/03/2020	Mensile	31	22,12	0,25	<input checked="" type="checkbox"/>	0
BoM-2019-12-11	19/12/2019 06:00:00	20/12/2019 02:30:00	21/12/2019	31/12/2019	Balance of Month	11	25	0,25	<input checked="" type="checkbox"/>	0
MI-2019-12-19	19/12/2019 06:00:00	20/12/2019 02:30:00	19/12/2019	19/12/2019	Giornaliero di MI	1		100	<input checked="" type="checkbox"/>	0
MGP-2019-12-20	17/12/2019 06:00:00	20/12/2019 02:30:00	20/12/2019	20/12/2019	Giornaliero di MGP	1		100	<input checked="" type="checkbox"/>	0
MGP-2019-12-21	18/12/2019 06:00:00	21/12/2019 02:30:00	21/12/2019	21/12/2019	Giornaliero di MGP	1		100	<input checked="" type="checkbox"/>	0
MGP-2019-12-22	19/12/2019 06:00:00	22/12/2019 02:30:00	22/12/2019	22/12/2019	Giornaliero di MGP	1		100	<input checked="" type="checkbox"/>	0

14 << Pagina: 1 - N° totale pagine: 1 >> 110 Righi per pagina Righi da 1 a 14 - N° di righi totali: 14

Figure 18: list of products

The displayed columns are as follows: product name, start and end dates of trading, start and end dates of delivery, selling period, supply days, check price, deviation from check price (percentage), specification of whether the product is enabled or not.

COMPLAINTS

Figure 19 shows the complaints page through which you can monitor the progress of complaints. Any complaint can be inserted and then updated with new messages. You can see a list of all complaints made on behalf of a specific participant, and in particular: title of the complaint, its status, code of the company (participant) to which the

complaint relates, the user who made the claim, the timestamp indicating the time of submission, and then a link to the messages associated with the selected complaint. Possibility to add a new message to the open complaint.

GME - Natural GAS Exchange
user / User Italiano

[home](#) > [informazioni](#) > [contestazioni](#)

Selezionare un operatore INDICAZIONE

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lista offerte

titolo	stato	cod. operatore	utente	timestamp	link
CONTESTAZIONE 19/12/2019	in attesa	00041	user	19/12/2019 10:24:54	messaggi nuovo messaggio

<< >> Pagina: 1 - N° totale pagine: 1 - 10 Righe per pagina

Righe da 1 a 1 - N° di righe totali: 1

mercato a termine

 book
 ordini aperti
 sessione MT-Gas
 attività giornaliera

Figure 19: complaints

By using the icon you may open the window to insert a complaint, as shown in Figure 20.

cod. operatore	0123GD
utente	test
titolo	<input type="text"/>
testo	<input type="text"/>
<div>firma e invia</div>	

Figure 20: insertion of a new complaint

ORDER BOOK

Now the [forward market](#) section will be described.

Figure 21 shows the [order book](#). Each row of the order book shows the products tradable at the time when the book is displayed. For each product, the system shows the best demand bids and supply offers, if any, and the details of their volumes (expressed in MW) and prices.

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Lista Scambi

posizione netta

posizioni consegnate

Gestione Garanzie

sommario garanzie

Sommario Garanzie MP

Parametri di garanzia

messaggi

upload

lista messaggi

GME

Gestione Mercati Energetici

home > mercato a termine > book

Selezionare un operatore

+

i

?

book

+

nome prodotto

quantità

prezzo

prezzo

quantità

acquisto

vendita

BoM-2019-12-11

M-2020-02

M-2020-03

Q-2020-01

Q-2020-02

Q-2020-03

Q-2020-04

SS-2020

CY-2020

MGP-2019-12-20

MGP-2019-12-21

MGP-2019-12-22

MI-2019-12-19

WE-2019-51

Ultimo aggiornamento : 19/12/2019 10:31:47

Giorno GAS	Prezzo Medio	Quantità Complessiva Movimentata	Prezzo Min. SRG	Prezzo Max. SRG
19/12/2019	0	0	0	0
20/12/2019	0	0	0	0
21/12/2019	20	120	0	0
22/12/2019	20	120	0	0

Ultimo aggiornamento : 19/12/2019 10:31:47

nome prodotto	quantità	prezzo	Data abbinamento
---------------	----------	--------	------------------

Ultimo aggiornamento : 19/12/2019 10:31:47


Figure 21: order book

In addition to the above, the page also contains a section dedicated to the price trend (updated upon each new match). This section shows, for each product traded in the M-GAS and MPL, the following information:

- Average price: weighted average, calculated according to the volumes of gas, expressed in energy (MWh/day), of the prices of all bids/offers accepted, to be delivered on the gas day G, including transactions carried out by SRG.
- Total volume moved: total quantity, in absolute value, of the bids/offers accepted to be delivered on day G, expressed in integer MWh/day (no decimals accepted).
- Minimum SRG price: the lowest price among all the sales, concluded by SRG and to be delivered on gas day G.
- Maximum SRG price: the highest price among all the purchases concluded by SRG and to be delivered on gas day G.

Prodotto	Prezzo Medio	Quantità Complessiva Movimentata	Prezzo Min. SRG	Prezzo Max. SRG
MGP-2016-09-20	0	0	0	0
MGP-2016-09-21	0	0	0	0
MGP-2016-09-22	0	0	0	0
MGP-2016-09-23	0	0	0	0
MI-2016-09-19	0	0	0	0
MI-2016-09-20	0	0	0	0
Ultimo aggiornamento : 20/09/2016 12.26.48				

Figure 22: price trend

To change the refresh time, click on the top-right  icon and enter the refresh time in seconds, as shown in Figure 23.

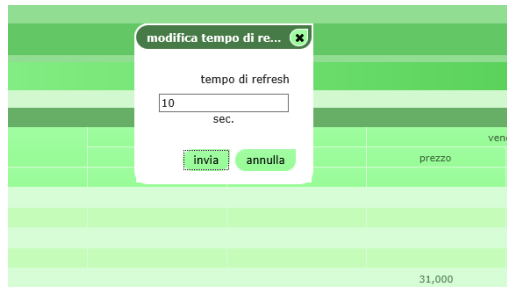



Figure 23: change of refresh time

SUBMISSION OF BIDS/OFFERS

A user with **user** privileges (or with **MT-Gas user** or **MGP/MI-Gas user** privileges, but only for the applicable products) may submit bids/offers by interacting with the order book in various modes, which give rise to the opening of a pop-up window with all the fields needed to submit a bid/offer (Figure 24).

In the first mode, the user clicks on the  icon. He/she will get a pop-up window only with the pre-compiled fields pertaining to the selected mode and date of expiration.

You may click on the name of the product to open a pop-up window for entering a bid/offer for the selected product.

operatore	MyOperator2	
tipo di offerta	acquisto	
prodotto	MGP-2017-11-16	
data mercato	15/11/2017	
modalità	Normale	
quantità	1	
prezzo	17,000	€/MWh
senza indicazione di prezzo	<input type="checkbox"/>	
fino a canc.	15/11/2017	
controvalore	408,00 €	
quantità MWh/giorno	24,00 MWh/g	
volume	24,00 MWh	

calcola

annulla firma e invia

Gme S.p.a

Figure 24: bid/offer entry pop-up window

Finally, you may click on the cell with the buying or selling price. This causes the opening of a pop-up window with the preselected product name and type of bid/offer (the type of bid/offer is opposite to the one of the cell on which you have clicked; therefore, if you have clicked on the cell with the buying price, the preselected type of purchase will be a sale).

The submitted volume will be expressed in MW. If the cell already shows a price (i.e. there is already a bid/offer in the order book), the pop-up window captures the price and volume and shows them in the respective input fields. However, you may change the values before submitting the bid/offer.

Among the editable fields of the order entry pop-up window, you may note the one concerning the mode of entry of the bid/offer: **normal**, **execute and cancel**, and **execute or cancel**. In the **execute and cancel** mode, the bid/offer is shown in the order book, matched for the matchable volume, and then removed from the order book. If there are no bids/offers of opposite sign, the bid/offer will remain in the order book until it is matched in full or in part. After matching, it is removed.

In the **execute or cancel** mode, the bid/offer is totally matched; if, upon the presentation in the order book, this is not possible, the bid/offer is removed.

The unlimited price checkbox makes it possible to match the bid/offer with all the bids/offers available in the order book (for the product under review) but only for the matchable volume.

The expiration date makes it possible to specify the market date until which the offer must be presented in the order book. After the date has expired, the bid/offer is automatically revoked.

Nuova Offerta (MT) - Internet Explorer

operatore	MyOperator1
tipo di offerta	acquisto
prodotto	MGP-2017-12-01
marketdate	29/11/2017
modalità	acquisto
quantità	15,000 MW
prezzo	17,000 €/MWh
fino a canc.	29/11/2017

[Gme S.p.a](#)

Figure 25: signature preview

By clicking on the **firma e invia** (send and sign) button, you may get a preview, which also represents the digitally signed document.

By clicking on **invia** (send), you will enter the bid/offer into the system, and you may download the FA by clicking on the **Carica FA** (load FA) button.



Figure 26: loading of the FA

After the system has processed the bid/offer, it will show the link of Figure 27. The data specified between brackets refers to the number of successful transactions. In the example, one of one, i.e. [1/1].

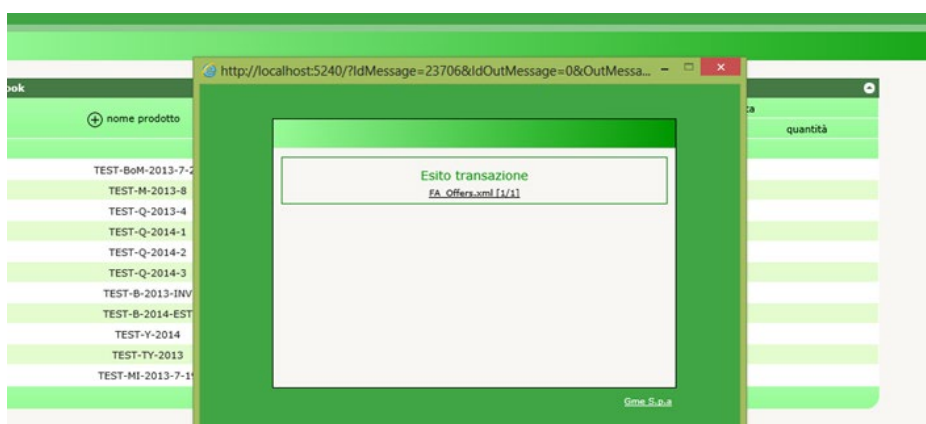


Figure 27: transaction result

CHANGE OF BIDS/OFFERS

You may change the details and status of one of your bids/offers in the period in which the market session is open for trading.

To do so, go to the [ordini aperti](#) (open orders) page shown in Figure 28.

ordini aperti **News - Cliccare qui per leggere la comunicazione agli Operatori**

Selezionare un operatore: XXXXXXXXXX

	nome prodotto	q.tà MW	tipo	prezzo	controvalore	data	op.	stato	scadenza	contropart	modalità
<input type="checkbox"/>	MGP-2017-11-30	11	acquisto	17,000	4488,000	29/11/2017 10	MyOperator1	Visibile	30/11/2017		Normale
<input type="checkbox"/>	MI-2017-11-29	35	vendita	17,000	14280,000	29/11/2017 10	MyOperator1	Visibile	30/11/2017		Normale
<input type="checkbox"/>	MGP-2017-12-01	15	acquisto	17,000	6120,000	29/11/2017 10	MyOperator1	Visibile	30/11/2017		Normale

☐ tutti Pagina: 1 - N° totale pagine: 1 - 200 Righe per pagina

Righe da 1 a 3 - N° di righe totali: 3

Figure 28: open orders page

The columns of the table show the product name, the submitted volume (expressed in MW), the type of bid/offer, the submitted price, the total value, the date of submission, the participant's code, the status of the bid/offer, its expiration, the possible OTC counterparty and the mode of submission (**normale**, **esegui e cancella**, **esegui o cancella** – normal, execute and cancel, execute or cancel).

The screenshot shows a web browser window titled "modifica offerta (MT) - Internet Explorer". The main content area has a green background. In the center, there is a white-bordered form with a light green header. The form contains the following fields and controls:

- operatore:** MyOperator2
- tipo di offerta:** vendita (dropdown menu)
- prodotto:** MGP-2017-11-16 (dropdown menu)
- data mercato:** 15/11/2017
- modalità:** Normale (dropdown menu)
- quantità:** 100 (text input) x MW
- prezzo:** 17,000 (text input) €/MWh
- senza indicazione di prezzo:** ☐
- Valida fino alla sessione del:** 16/11/2017 (text input)
- Red text note:** NB: la sessione si chiude alle ore 3.00 del giorno successivo a quello sopra indicato
- Buttons:** calcola, annulla, firma e invia

At the bottom right of the green area, the text "Gme S.p.a" is visible.

Figure 29: change of a bid/offer

Clicking on one row of the table will open a pop-up window similar to the bid/offer entry one. On this window, you may change the details of the bid/offer, e.g. its price and volume.

Conversely, by clicking on the checkbox in the first column (select the **tutti** (all) checkbox to select all the visible rows), you may change the status of the selected bids/offers, pushing the three buttons underlying the table. By pressing **Nascondi** (hide), you may temporarily hide a bid/offer, so that it will no longer be visible in the order book and thus no longer matchable.

The **Mostra** (display) button makes hidden bids/offers visible, so that they will reappear in the order book. The **Ritira** (withdraw) button will definitively revoke a bid/offer.

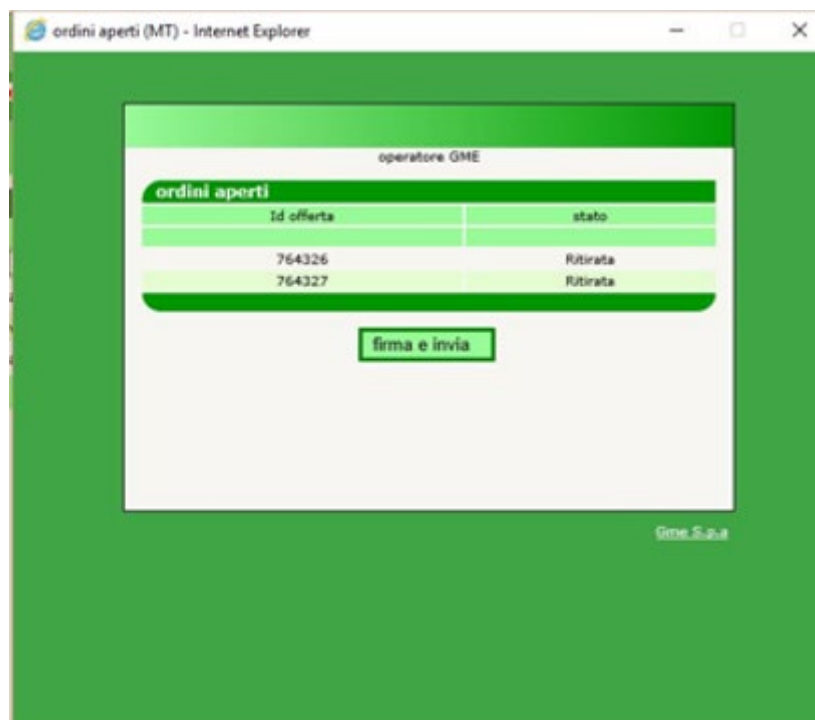



Figure 30: status change procedure

After pressing one of the three buttons, a pop-up window will show a summary of the transactions being entered. By clicking on **firma e invia** (sign and send), you may sign the form and then wait for the result, as shown in Figures 25 and 26.

After changing a bid/offer or its status, the bid/offer loses its time priority with respect to the other bids/offers already present in the order book. Therefore, price remaining equal, a bid/offer that has been changed or whose status has been changed will be the one with the lowest priority among those present in the order book upon the change.

ORDER BOOK DETAILS

Going back to the [order book](#), you will see the statistical details of the products and bids/offers that have been matched by clicking on the  icon and displaying the form of Figure 31.

dettagli book													
nome prodotto	MarketSic	giorni	prezzo di con	volume	Prezzo di rife	Prezzo massi	Prezzo minimi	LastMark	LastTime	LastPrice	LastQuantity	Change	
TEST-BoM-2013-7-23		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-M-2013-8		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-Q-2013-4		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-Q-2014-1		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-Q-2014-2	vendita	30	32,000	450	32,000	32,000	32,000	vendita	22/07/2013 0	32,000	15,000	=	Grafico
TEST-Q-2014-3		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-B-2013-INV	acquisto	30	32,000	2400	29,500	33,000	25,000	acquisto	22/07/2013 0	33,000	45,000	↑	Grafico
TEST-B-2014-EST		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-Y-2014		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-TV-2013		30	32,000	0	0	0	0			0	0	=	Grafico
TEST-MI-2013-7-22		30	32,000	0	0	0	0			0	0	=	Grafico

Righe da 1 a 11 - N° di righe totali:11

Figure 31: order book details

In the table, you may view data such as: name and other specific data of the product, volume traded (expressed in MWh/day), reference price, maximum and minimum price, date of latest matching, latest matched volume. You may check whether the reference price is increasing or decreasing and view a graph showing the matches over time with the related prices and volumes (expressed in MWh/day).



Figure 32: graph of matches

LIST OF SESSIONS

On the [sessione MT-GAS](#) (MT-GAS session) page, you may view the status of the market sessions (Figure 33), with details such as: market date, opening and closing time, session status and, if the session is closed, some details, such as the maximum and minimum price, the reference price, and the volume traded (expressed in MWh/day).

sessione MT-Gas					
id sessione	data	apertura	chiusura	stato	
	22/07/1998 - 22/07/2013				
58114	22/07/2013	22/07/2014 07.00.00	22/07/2014 06.00.00	DEL	
58476	22/07/2013	22/07/2013 08.33.38	22/07/2013 13.00.00	APERTA	
57383	21/07/2013	21/07/2014 07.00.00	21/07/2014 06.00.00	DEL	
57748	21/07/2013	21/07/2013 07.00.00	21/07/2013 06.00.00	NEW	
58113	21/07/2013	21/07/2014 07.00.00	21/07/2014 06.00.00	DEL	
57382	20/07/2013	20/07/2014 07.00.00	20/07/2014 06.00.00	DEL	
57747	20/07/2013	20/07/2013 07.00.00	20/07/2013 06.00.00	NEW	
58112	20/07/2013	20/07/2014 07.00.00	20/07/2014 06.00.00	DEL	
57381	19/07/2013	19/07/2014 07.00.00	19/07/2014 06.00.00	DEL	
57745	19/07/2013	19/07/2013 08.45.00	19/07/2013 13.00.00	CHIUSA	Max price: 27,400 Ref price: 25,218 Min price: 25,000 Volume: 22,000
58111	19/07/2013	19/07/2014 07.00.00	19/07/2014 06.00.00	DEL	
56285	18/07/2013	18/07/2013 16.54.00	18/07/2013 21.00.00	CHIUSA	Max price: 0 Ref price: 0 Min price: 0 Volume: 0
57380	18/07/2013	18/07/2014 07.00.00	18/07/2014 06.00.00	DEL	

Figure 33: market sessions

The statuses of the sessions may be:

- DEL: cancelled.
- NEW: new.

- PRED: prepared for opening.
- OPEN: open for trading.
- SUSP: temporarily suspended (participants are not allowed to trade).
- TERM: ended (participants are not allowed to trade).
- CLOS: closed and confirmed.

DAILY ACTIVITY

The [attività giornaliera](#) (daily activity, Figure 34) page shows all the activity of a single participant in terms of movements in the order book: product name, submitted volume (expressed in MWh/day), type of bid/offer, submitted price, total value, participant's code, bid/offer status, timestamp, possible code of the OTC counterparty, bid/offer mode, user that has carried out the transaction, total volume (expressed in MWh/day), transaction carried out, unique id of the bid/offer, possible matching id and possible error code, if the bid/offer has been rejected (by placing the pointer of the mouse on the code, you will see a tooltip with a descriptive text of the error).

nome prod.	q. MWh/g	tipo oper.	prezzo	controvalore	Codice Operatore	stato	timestamp	controparte OTC	modalità	utente	volume MWh	operazione	id off.	id abb. rita	error
MGP-2017-1	24,000	acquisto	17,000	408,000	MyOperator2	scartata	15/11/2017 11:39:1		Normale	emanuele.mat	24	scartata	762366		
MGP-2017-1	24,000	acquisto	17,000	408,000	MyOperator2	sottomessa	15/11/2017 11:39:0		Normale	emanuele.mat	24	sottomessa	762366		
MGP-2017-1	24,000	vendita	17,000	408,000	MyOperator2	sottomessa	15/11/2017 11:27:3		Normale	emanuele.mat	24	residue	762365		
MGP-2017-1	24,000	vendita	17,000	408,000	MyOperator2	sottomessa	15/11/2017 11:27:2		Normale	emanuele.mat	24	abbinata	762365	87711	
MGP-2017-1	24,000	acquisto	17,000	408,000	MyOperator1	abbinata	15/11/2017 11:27:2		Normale	emanuele.mat	24	abbinata	762364	87711	
MGP-2017-1	48,000	vendita	17,000	816,000	MyOperator2	sottomessa	15/11/2017 11:27:2		Normale	emanuele.mat	48	sottomessa	762365		
MGP-2017-1	24,000	acquisto	17,000	408,000	MyOperator1	sottomessa	15/11/2017 11:26:4		Normale	emanuele.mat	24	sottomessa	762364		

Figure 34: daily activity

LIST OF BIDS/OFFERS

The [lista offerte](#) (bids/offers page, Figure 35) lists the bids/offers for the selected participant.

nome prodotto	q. MWh/g	tipo	prezzo	controvalore	data	op.	stato	scadenza	controparte C	modalità	utente	gr. acc.	q. MWh res. MWh/g	fittizio
MGP-2017-11-16	24,000	acquisto	17,000	408,000	15/11/2017 1	MyOperator2	scartata	16/11/2017 00:		Normale	emanuele.r		24	non fittizio
MGP-2017-11-16	48,000	vendita	17,000	816,000	15/11/2017 1	MyOperator2	sottomessa	16/11/2017 00:		Normale	emanuele.r		24	non fittizio
MGP-2017-11-16	24,000	acquisto	17,000	408,000	15/11/2017 1	MyOperator1	abbinata	16/11/2017 00:		Normale	emanuele.r		0	non fittizio

Figure 35: list of bids/offers

The page shows details such as: product name, submitted volume (expressed in MWh/day), type of bid/offer, submitted price, value, date of submission, participant's code, bid/offer status, date of expiration, possible OTC counterparty, bid/offer mode, user that has managed the bid/offer, the possible accepted price, the remaining volume (expressed in MWh/day), and the specification of whether the bid/offer is real or fictitious. A real (non-fictitious) bid/offer is a bid/offer materially submitted by a participant. A fictitious bid/offer is instead generated by the system when a product undergoes cascading, and the participant has matched bids/offers for that product.

NET POSITION

The **posizione netta** (net position) page of Figure 36 displays the net positions (expressed in MWh/day) for matched orders pertaining to the products being traded.

op.	ragione sociale	nome prodotto	Periodo di vendita	pos. netta MWh/g	posizione netta fittizia MWh/g
MyOp1	MyOp1	CY-2018	Annuale	-24,000	0,000
MyOp2	MyOp2	CY-2018	Annuale	24,000	0,000
MyOp1	MyOp1	M-2017-12	Mensile	-24,000	0,000
MyOp2	MyOp2	M-2017-12	Mensile	24,000	0,000
MyOperator1	MyOperator1	MGP-2017-11-16	Giornaliero di MGP	-24,000	0,000
MyOperator2	MyOperator2	MGP-2017-11-16	Giornaliero di MGP	24,000	0,000
MyOp1	MyOp1	Q-2018-01	Trimestrale	-24,000	0,000
MyOp2	MyOp2	Q-2018-01	Trimestrale	24,000	0,000
MyOp1	MyOp1	SS-2018	Semestrale	-24,000	0,000
MyOp2	MyOp2	SS-2018	Semestrale	24,000	0,000

Figure 36: net position

Products whose net position is zero are not displayed.

NET DELIVERY POSITION

The **posizioni consegnate** (net delivery position) page shows the net position (expressed in MWh/day) to be delivered to SNAM Rete Gas, only for the MGP and MI products. This net position considers both real matches and those arising from the cascading mechanism.

SdkKey	op.	ragione sociale	data flusso	DeliveredQuantity MWh/g	RefusedQuantity MWh/g	Confirmed	nome prodotto
20161013M000260	00260	ESTRA ENERGIE SRL	13/10/2016	-480,000			MI-2016-10-13
20161013M000009	00109	BURGO ENERGIA SRL	13/10/2016	-26380,000			MI-2016-10-13
20161013M000041	00041	ZB ENERGIA S.P.A.	13/10/2016	-480,000			MI-2016-10-13
20161013M000037	00037	HERA TRADING S.R.L.	13/10/2016	-2520,000			MI-2016-10-13
20161013M000173	00173	KOCH SUPPLY & TRADIF	13/10/2016	-30000,000			MI-2016-10-13
20161013M000170	00170	ENET ENERGY SA	13/10/2016	-2400,000			MI-2016-10-13
20161013M000018	00018	ENI S.P.A.	13/10/2016	-10000,000			MI-2016-10-13
20161013M000173	00173	KOCH SUPPLY & TRADIF	13/10/2016	-17600,000			MI-2016-10-13
20161013M000173	00173	KOCH SUPPLY & TRADIF	13/10/2016	-30000,000			MI-2016-10-13
20161013M000173	00173	KOCH SUPPLY & TRADIF	13/10/2016	-2620,000			MI-2016-10-13
20161013M000018	00018	ENI S.P.A.	13/10/2016	-9000,000			MI-2016-10-13
20161014M000260	00260	ESTRA ENERGIE SRL	14/10/2016	-2400,000			MI-2016-10-14
20161014M000009	00109	BURGO ENERGIA SRL	14/10/2016	2400,000			MI-2016-10-14
20161015MGP00019	00019	ENCI S.P.A.	15/10/2016	-3000,000			MGP-2016-10-15
20161015MGP00008	00008	EDISON S.P.A.	15/10/2016	3000,000			MGP-2016-10-15
20161016MGP00173	00173	KOCH SUPPLY & TRADIF	16/10/2016	3000,000			MGP-2016-10-16
20161016MGP00019	00019	ENCI S.P.A.	16/10/2016	-3000,000			MGP-2016-10-16
20161014M000130	00130	METAENERGIA S.p.A.	14/10/2016	70,000			MI-2016-10-14
20161014M000153	00153	GUNVOR International b	14/10/2016	-70,000			MI-2016-10-14
20161014M000009	00009	AXPO ITALIA SPA	14/10/2016	-6412,000			MI-2016-10-14
20161014M000047	00047	DOLGHI ENERGI TR	14/10/2016	-1440,000			MI-2016-10-14
20161014M000173	00173	KOCH SUPPLY & TRADIF	14/10/2016	-2880,000			MI-2016-10-14
20161014M000037	00037	HERA TRADING S.R.L.	14/10/2016	-2400,000			MI-2016-10-14
20161014M000126	00126	ENGIE ITALIA SPA	14/10/2016	-3000,000			MI-2016-10-14
20161014M000019	00019	ENCI S.P.A.	14/10/2016	-2400,000			MI-2016-10-14
20161014M000110	00110	YOUTRADE SPA	14/10/2016	-2700,000			MI-2016-10-14
20161014M000152	00152	WDRD Denarov S.A.	14/10/2016	-3000,000			MI-2016-10-14


Figure 37: net delivery position

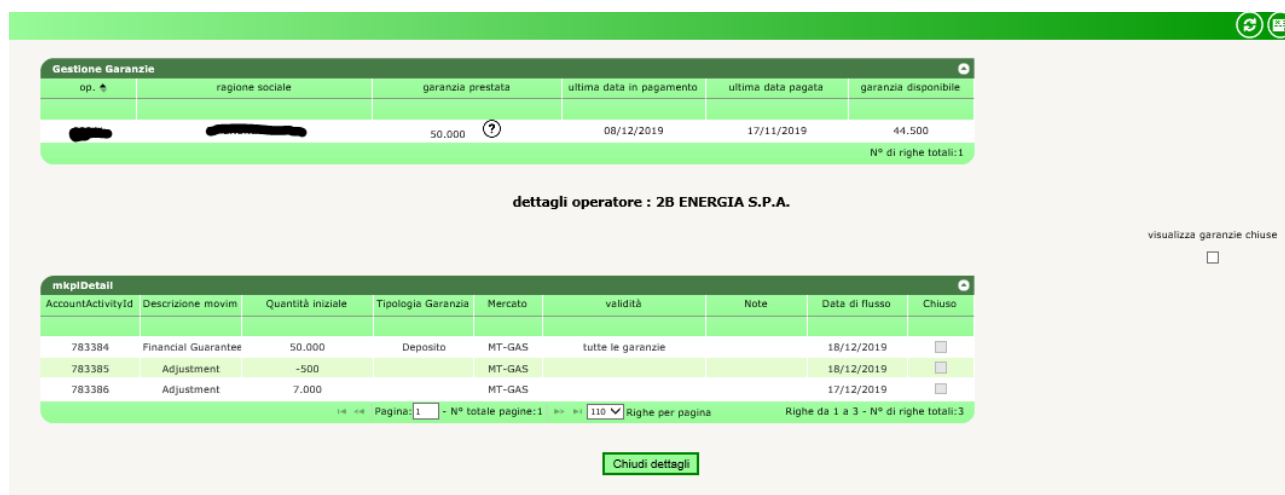
The displayed data is as follows: unique code of the net position delivered to SNAM Rete Gas, participant's code, participant's registered name, flow date pertaining to the delivery, volume delivered (expressed in MWh/day), possible volume rejected by SNAM Rete Gas (expressed in MWh/day), specification of whether SNAM Rete Gas has already confirmed or not confirmed the net position delivered and the name of the reference product.

GUARANTEE MANAGEMENT

On the [gestione garanzie](#) (guarantee management) page, you may view the situation of the financial guarantees relating to the forward gas market (MT) for the participants that you represent.

The first report shows data such as the code and registered name of the participant, the initial amount of the financial guarantee, the last due date, and the last paid date.

By clicking on  you will open the underlying report, with details about the financial guarantees and the credit/debit adjustments.



op.	ragione sociale	garanzia prestata	ultima data in pagamento	ultima data pagata	garanzia disponibile
		50.000	08/12/2019	17/11/2019	44.500

N° di righe totali: 1

dettagli operatore : 2B ENERGIA S.P.A.

visualizza garanzie chiuse ☐

AccountActivityId	Descrizione movim	Quantità iniziale	Tipologia Garanzia	Mercato	validità	Note	Data di flusso	Chiuso
783384	Financial Guarantee	50.000	Deposito	MT-GAS	tutte le garanzie		18/12/2019	<input type="checkbox"/>
783385	Adjustment	-500		MT-GAS			18/12/2019	<input type="checkbox"/>
783386	Adjustment	7.000		MT-GAS			17/12/2019	<input type="checkbox"/>

Pagina: 1 - N° totale pagine: 1

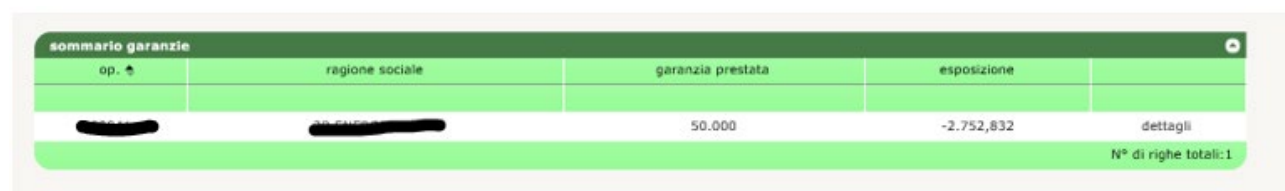
Chiudi dettagli

Figure 38: deposit management

By checking the **visualizza garanzie chiuse** (display closed guarantees) box, you may view any closed deposits and credit/debit adjustments.

SUMMARY OF GUARANTEES

On the [sommario garanzie](#) (summary of guarantees page, you may view the status of the financial guarantees intended for the forward market (MT) of the participants that the user represents (Figure 39). For each participant, the page shows the code, the registered name, the original amount of the guarantee, and the financial exposure.



op.	ragione sociale	garanzia prestata	esposizione	dettagli
		50.000	-2.752,832	

N° di righe totali: 1

Figure 39: summary of MT guarantees

If, instead, you click on **dettagli** (details), you will get a pop-up window with the details of the financial guarantee formulas, where you may identify all the components and the related amount (Figure 40).

sommario garanzie				
op. #	ragione sociale	garanzia prestata	esposizione	
		50.000	-2.752,832	dettagli

dettagli garanzie		totali: 1
dettagli operatore : $C = [(\Sigma F + \Sigma D) \cdot (1 - MM)] + E$ $E = \Sigma E_s \quad \forall E_s < 0$		
dettagli		
componente	valore	
C	42.247,168	
ΣF	0	
ΣD	50.000	
MM	0,1	
E	-2.752,832	
E_s (08/01/2020)	-2.752,832	

Chiudi

Figure 40: details of the MT financial guarantee

Checking the **visualizza garanzie chiuse** (display closed guarantees) box allows you to view any closed deposits and credit/debit adjustments.

SUMMARY OF MP GUARANTEES

The “**Sommario garanzie MP**” (Summary of MP Guarantees) page allows you to view the status of the financial guarantees for the MP spot market of the participants that you represent (41). For each participant selected from the drop-down menu there are:

- in the section “Sommario garanzie MP” (Summary of MP Guarantees), the initial guarantee (the amount of valid guarantees registered on the Netting platform, reduced by the Maintenance Margin of 3%); Guarantee Capacity (the difference between Initial Guarantee and Exposure); the Exposure (the exposure determined by all the positions held on all the platforms whose guarantee pertains to the Netting);
- in the section “Dettaglio Garanzie” (Guarantees Detail) all the deposits and bank guarantees relating to the centralised Netting guarantee system, and the credit and debit adjustment of the MP spot gas market;
- in the section “Esposizione per data di settlement” (Exposure by Settlement Date), all exposures divided by settlement date, determined by all the positions held on all the platforms whose guarantee pertains to the Netting, and the valid credits of the MP spot gas market only.

Sommario Garanzie MP

Descrizione	Valore
Garanzia Iniziale	145.500
Capienza Garanzia	144.264,24
Esposizione	-1.235,76

Sommario Garanzie al 18/12/2019 12:31:47

Dettaglio Garanzie

Tipo	Inizio Validità	Fine Validità	Importo	Importo Residuo
Deposito	01/01/0001	31/12/9999	97.000	97.000
Fidejussione	18/12/2018	31/12/2018	970	970
Credito	16/12/2019	05/01/2020	4.800	4.800
Fidejussione	18/12/2019	31/12/2050	48.500	47.264,24

Dettaglio Garanzie al 18/12/2019 12:31:47

Esposizione per data di Settlement

Data di Settlement	Esposizione	
08/01/2020	3.564,24	dettagli

Esposizione per Data di Settlement al 18/12/2019 12:31:47

Figure 41: summary of MP guarantees

By clicking on **dettagli** (details), you can view a pop-up containing the details of the financial guarantee formulas, in which you may identify all the components and their amount (Figure 42).

Sommarario Garanzie MP

Descrizione	Valore
Garanzia Iniziale	145.500
Capienza Garanzia	
Esposizione	

Sommarario

Dettaglio Garanzie

Tipo	Inizio Validità	Fine Validità	Importo	Importo Residuo
Deposito	01/01/0001	31/12/9999	97.000	97.000
Fidejussione	18/12/2018	31/12/2018	970	970
Credito	16/12/2019	05/01/2020	4.800	4.800
Fidejussione	18/12/2019	31/12/2050	48.500	47.264,24

Dettaglio

Esposizione per data di Settlement

Data di Settlement	Esposizione
08/01/2020	3.564,24

Esposizione per Data di Settlement al 18/12/2019 12:31:47

dettagli Esposizione

Data di Settlement : 08/01/2020

dettagli

Data di flusso	Esposizione
22/12/2019	2.400
21/12/2019	2.400
18/12/2019	-1.235,76

Chiudi

Figure 42: detail of the MP financial guarantee

GUARANTEE PARAMETERS

You may display the main parameters for the calculation of the financial guarantee, such as α and γ or the daily check prices.

Figure 43 exhibits the [parametri di garanzia](#) (guarantee parameters) page; you may refine this report by showing a single date range or a particular type of parameter.

Parametri di garanzia		
FlowDate	Name	Value
	tutti	
01/07/2015	Gamma	0,430
01/06/2015	Gamma	0,430
01/05/2015	Gamma	0,430
01/04/2015	Gamma	0,430
01/03/2015	Gamma	0,430
01/02/2015	Gamma	0,430
01/01/2015	Gamma	0,430
01/12/2014	Gamma	0,430
01/11/2014	Gamma	0,430
01/10/2014	Gamma	0,430
01/09/2014	Gamma	0,430
01/08/2014	Gamma	0,430
01/07/2014	Gamma	0,430
01/06/2014	Gamma	0,430
01/05/2014	Gamma	0,430
01/04/2014	Gamma	0,430
01/03/2014	Gamma	0,430
01/02/2014	Gamma	0,430
01/01/2014	Gamma	0,430
01/12/2013	Gamma	0,430
01/11/2013	Gamma	0,430
01/10/2013	Gamma	0,430
01/09/2013	Gamma	0,430
01/08/2013	Gamma	0,430
01/07/2013	Gamma	0,430
03/07/2013	Alfa	0,130
03/07/2013	prezzo di controllo	32,000
04/07/2013	Alfa	0,130
04/07/2013	prezzo di controllo	32,000

Figure 43: guarantee parameters

XML FILE UPLOAD

Through the [upload](#) page, you may directly upload the xml file for submitting/changing bids/offers or changing their status (Figure 42).

upload

Selezionare un operatore Gas Demo S.p.A. ▼

ato

re\Desktop\Offers (2).xml Sfoglia...

Seleziona un file da caricare

Upload file

Figure 44: xml file upload

You must write the xml file with an appropriate editor and then upload it by selecting the file, signing its content, and submitting the transaction.

LIST OF MESSAGES

Each action that you make in the M-GAS system through the above-described web pages will result into an xml file, which is stored into the database and then processed by the platform. Each action stored into the system will produce a result (called **Functional Acknowledgment, FA**); whatever the outcome of the action, the FA will be a file in xml format.

The [lista messaggi](#) (list of messages) provides all the xml transactions made and the related outcomes.

Id messaggio	Id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	Timestamp	Transazione	elab. time
23771	64718	Visualizza	Offers	OUT	00123GT	root	Offers.xml	22/07/2013 02.43.28	1 \ 1	00.01
23742	64685	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 10.54.29	1 \ 1	00.00
	64683		BN	OUT	00123GT		BN_b7cf4d51551b4e3a90b	22/07/2013 10.54.29		
23740	64681	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.58.48	1 \ 1	00.00
	64676		BN	OUT	00123GT		BN_48b48f455196402bact	22/07/2013 09.21.45		
23735	64674	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.20.36	1 \ 1	00.00
	64672		BN	OUT	00123GT		BN_ccd5d5f0956a4120b11	22/07/2013 09.20.36		
23732	64669	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.19.15	1 \ 1	00.00
23731	64668	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.19.02	1 \ 1	00.00
	64666		BN	OUT	00123GT		BN_34e3be41712347d1af	22/07/2013 09.19.02		
23730	64665	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.18.44	1 \ 1	00.00
	64663		BN	OUT	00123GT		BN_dab1f95678a84de48a	22/07/2013 09.18.44		

Figure 45: list of messages

The page is organised as follows: the first column shows the unique id assigned to the input xml message, produced through your interaction with the portal pages. By clicking on the number representing the id, you may download the xml file showing all the input parameters that have originated the transaction.

Likewise, the second column shows the id of the transaction outcome file. By clicking on the number, you may download the FA in xml format. Conversely, the third column shows the link to the digitally signed content, i.e. the portion of HTML code representing the preview of each action, which is presented immediately before the action.

Then, you will see the object of the message and, above all, its status; the status may be as follows:

- **IN**: message submitted and stored but not yet processed.
- **ERR**: message incorrectly composed or with incorrect content.
- **RUN**: message being processed.
- **OUT**: message processed (successfully or unsuccessfully).

The remaining columns show such data as the participant and user that have submitted the transaction, the name of the xml file, the date and time of submission, the number of successfully processed transactions, and the processing time in minutes and seconds.

Among the page filters, you will find a checkbox called **mark** (Figure 46). If you select the box, the system will mark the outcome file as downloaded. This action will have an impact on the download of the file through the web service because the system will ignore the already downloaded files and return only the ones that you have not yet examined. If you download an xml file from the interface with the **mark** checkbox selected, you will not be able to download the same file through the web service.

Id messaggio	Id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	Timestamp	Transazione	elab. time
23771	64718	Visualizza	Offers	OUT	00123GT	root	Offers.xml	22/07/2013 02.43.28	1 \ 1	00.01
23742	64685	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 10.54.29	1 \ 1	00.00

Figure 46: filters of the list of messages

You have seen that any action (xml input transaction) corresponds to an xml outcome file (FA). In the [lista messaggi](#) (list of messages), you may also view outcome files different from FAs, which do not correspond to any input file.

Figure 45 (third row) shows a **Bid Notification (BN)** file with the outcome of the matching of one of the participant's bids/offers.

Another file of this type is the **Delivery Notification (DN)**; this file is generated upon confirmation of the delivery to SNAM Rete Gas and contains the outcome of the delivery, the possible undelivered volume, and the reason for the failed delivery.

FEATURES OF THE MGS PORTAL

This section describes the features offered by the portal. First, the user must obtain access to the portal. After completing all the procedures specified in the applicable legislation, the user must register with the portal by following the procedure described on page 5.

HOMEPAGE

Figure 47 shows the main page of the portal with the numbers of its four main sections, which are always available, whatever the page opened by the user.

USER DETAILS AND LOGOUT

Section **(1)** shows the name of the authenticated user and his/her role (**user** or **viewer**). By clicking [Logout](#), you can leave the portal, closing the session. Now the user must re-authenticate himself/herself if he/she wants to access the portal.



Figure 7: main page of the portal

AUTHORISED PARTICIPANTS

Section **(2)** displays a drop-down menu containing all participants authorised to operate on the MGS with whom/which the current user is associated. The operations that the user performs on the portal, such as the submission of offers/bids, are associated with the participant selected in that menu.

MENU

Section **(3)** shows the menu that contains the links to all the pages that the user can reach. There is an **informazioni** (information) section, which gathers all the pages bearing information useful for users. The **MGS** section contains the pages for the submission and monitoring of offers/bids, their status, the results of the market sessions, the pages showing the management of deposits, and the summary of the participants' guarantees.

Finally, the **messaggi** (messages) section shows the pages to upload xml files and the list of input and output messages relevant to the participants associated with the user.

MULTILINGUAL SUPPORT

The last section **(4)** contains the two [eng](#) and [ita](#) links, where the user can select his/her default language. The content of the pages will be translated into the selected language. In addition to the translation of the textual parts, changing the language also involves displaying the date in Italian (it-IT) or English (en-GB) format, and the decimal separator for figures: the comma (",") for Italian and the point (".") for English.

FILTERS AND REPORTS

Before you scroll through the pages of the portal, it is necessary to explain a common feature to all the pages that show a report.



Figure 48: filters and reports in Excel

Each report page has a filters section that usually is not shown when the page is opened. To show it, you must click the link [Mostra filtri](#) (Show filters...) on the right. Conversely, to hide it, click [Nascondi filtri](#) (Hide filters ...). The one that appears is the filters section in which, in general, you can enter values that aim to restrict the number of results provided by the underlying report. To reload the report taking account of appropriate filters, it is necessary to click [refresh](#), at the top left.

Finally, you can export the report in Excel format by clicking [export](#). After clicking, the page asks you to save the report in Excel format, showing all the results, obviously without paging them as it happens on the web page.

ragione soc.	cod. operatore
Royalties EDISON SPA	r00008
Royalties EHI S.P.A.	r00018
Royalties SHELL ITALIA EBP SPA	r50035
Royalties SOCIETA' ADRIATICA (IDROCARBURI)	r50010
ZZ Royalties SOCIETA' ADRIATICA (IDROCARBURI)	r90109
ZZ Royalties SOCIETA' IONICA GAS SPA	r90108
2B ENERGIA S.P.A.	00041
2V ENERGY SRL	00198
50 Hertz SRL	50076
ADA S.P.A.	00267
ACEA Energia SPA	00075
ACEA PINEROLESE ENERGIA SRL	50045
ADATTO ENERGY SRL	96036
ASCIH ENERGIA SPA	00123
AIM ENERGY S.R.L.	00045
ALPERIA TRADING SRL	00302
ALPHERG SPA	00298
Alpro AG	00014
Arcadia Italia srl	50086
ASCOPIAVE ENERGIE SPA	50094
ASCOTRADE SPA	00038
ATS POWER SRL	00089
AUDAX ENERGIA SRL	00222
AUGUSTA RATIO SPA	00164

Figure 49: list of participants entitled to the platform

PARTICIPANTS' PAGE

The **operatori** (participants) page shows the list of participants authorised to operate on the MGS. This page is read-only and contains information regarding the business name and the code of the participant.

By clicking **export**, you can export the complete list of participants in Excel format.

USERS' PAGE

The **utenti** (users) page is another read-only page that allows you to view all the users entitled to act on behalf of the participant selected in the drop-down menu at the top right.

codice utente	nome	cognome	Descrizione ruolo	certificato	cert. di firma	operatori	abilitato
alessandra.tocchetti	alessandra	tocchetti	User	Infocert auth ACT	Infocert sign ACT	2B ENERGIA S.P.A.	✓
Andrea.Nonna	Andrea	Nonna	User	Infocert auth ACT	Infocert sign ACT	2B ENERGIA S.P.A.	✓
Andrea.Nonna27	Andrea	Nonna	User	ACT	ACT	2B ENERGIA S.P.A.	✓
Andrea.Nonna41	Andrea	Nonna	User	Infocert auth ACT	Infocert sign ACT	2B ENERGIA S.P.A.	✓
Antonio.Graziano	Antonio	Graziano	User	ACT	ACT	2B ENERGIA S.P.A.	✓
Antonio.Graziano5	Antonio	Graziano	User	ACT	ACT	2B ENERGIA S.P.A.	✓
Antonio.Graziano53	Antonio	Graziano	User	Infocert auth ACT	Infocert sign ACT	2B ENERGIA S.P.A.	✓
ermano.baraggia	ermano	baraggia	User	Infocert auth ACT	Infocert sign ACT	2B ENERGIA S.P.A.	✓
silviapanicci	silviapanicci	silviapanicci	User			2B ENERGIA S.P.A.	✓
user	user	user	User			2B ENERGIA S.P.A.	✓

Figure 50: users' page

The information in the table shows: username, name and surname of the user, user's role, information on the authentication and signature certificate, participant for which/whom they are authorised to operate (i.e. the current participant), and an indication of whether the user is enabled or not, respectively. Clicking on **(Mostra filtri...)** (Show filters...), you can access the area of the page containing filters. In the list of users, there is only one **Cerca** (Search) field where you can enter a text, which will be searched in the user code, name, and surname.

ADDING A NEW SIGNATURE CERTIFICATE

Through the [gestione firma](#) (signature management) link, you can access the page that offers users the possibility to manage their signature certificate. If the user fails to have a signature certificate, the page looks like in Figure 51; the link “**Aggiungi**” (Add) allows the user to add a certificate.



Figure 51: the user has no signature certificate. The page allows you to add one

By clicking on the link “**Aggiungi**” (Add), you can choose, among the certificates installed on your computer, the one that you wish to use to sign the transactions being uploaded to the system, as shown in Figure 52.

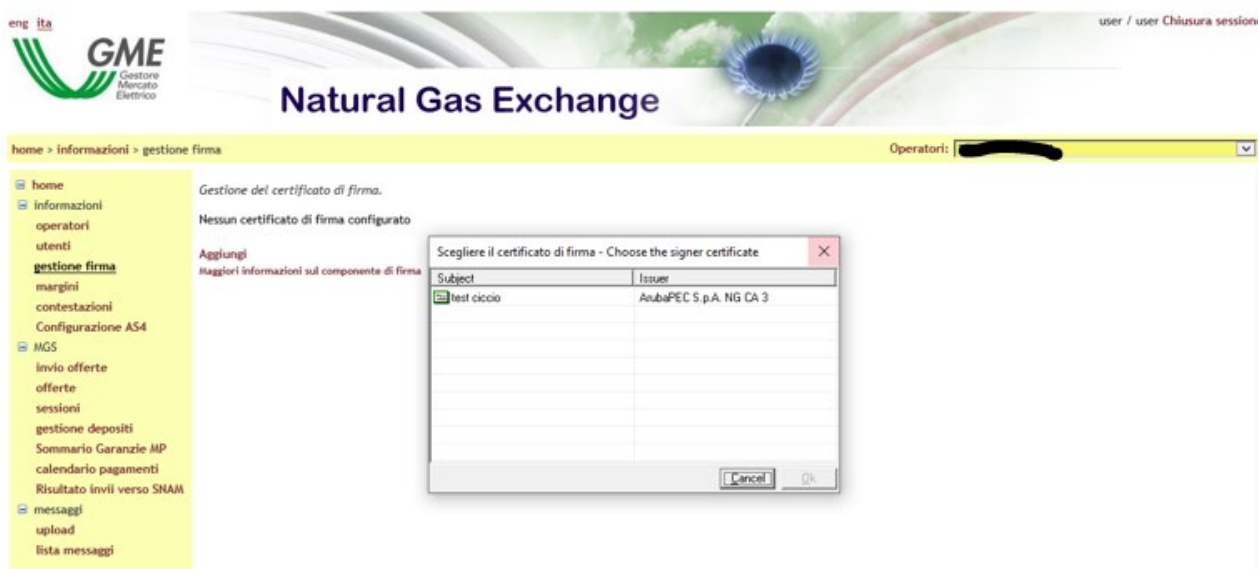


Figure 52: insertion of a new certificate

Once you have selected the certificate, you will view its details on the page. At this point, the user must confirm the insertion of the certificate by clicking on the link “**Salva**” (Save) link.

eng ita **GME** Gestione Mercato Elettrico user / user Chiusura sessione

Natural Gas Exchange

home > informazioni > gestione firma Operatori: [redacted]

home informazioni operatori utenti **gestione firma** margini contestazioni Configurazione AS4 MGS invio offerte offerte sessioni gestione depositi Sommario Garanzie MP calendario pagamenti Risultato invii verso SNAM messaggi upload lista messaggi

Gestione del certificato di firma.

Certificato di firma configurato

Issuer: C=IT, CN=ArubaPEC S.p.A. NG CA 3, O=ArubaPEC S.p.A., OU=Certification AuthorityC
 Serial Number: 5AD6748240BD1FA810ADA24766513D19
 Data fine validita': 26/07/2020
 Subject: dnQualifier=17169211, SN=test, G=ciccio, SERIALNUMBER=IT:TSTCCC80AD1D969W, CN=test ciccio, O=non presente, C=IT

Rimuovi Salva
 Maggiori informazioni sul componente di firma

Figure 53: details of the certificate being inserted

Once the certificate has been inserted, before it can be used in transactions, it must be authorised by the portal administrator.

MARGINS

Continuing with the series of pages, you find the [report on margins](#). It is a report showing the **maximum step-down** (purchase) and **step-up** (sale) **margins** for all participants associated with the user. These margins are reported by SNAM Rete Gas and expressed in MWh/day. The margins are displayed by **storage participant** and by **flow date**.

eng ita **GME** Gestione Mercato Elettrico user / user Chiusura sessione

Natural Gas Exchange

home > informazioni > margini Operatori: [redacted]

(nascondi Filtri...)

Data flusso inizio 19/12/2018 Operatore stoccaggio [sum] export refresh

Data flusso fine 19/12/2019

op.	data flusso	min vendita MWh	max vendita MWh	min acquisto MWh	max acquisto MWh	qta presentata vendita MWh	qta presentata acquisto MWh	op. stoccaggio
00041	19/12/2018	0,000	149.323,106	0,000	299.566,207	0,000	0,000	00303
00041	20/12/2018	0,000	141.511,464	0,000	303.679,544	0,000	0,000	00303
00041	21/12/2018	0,000	137.905,006	0,000	307.108,169	0,000	0,000	00303
00041	22/12/2018	0,000	134.789,651	0,000	310.248,496	0,000	0,000	00303
00041	23/12/2018	0,000	133.095,071	0,000	311.916,104	0,000	0,000	00303
00041	24/12/2018	0,000	131.767,286	0,000	313.870,583	0,000	0,000	00303
00041	25/12/2018	0,000	130.342,724	0,000	315.095,145	0,000	0,000	00303
00041	26/12/2018	0,000	125.961,402	0,000	318.926,911	0,000	0,000	00303
00041	27/12/2018	0,000	117.969,563	0,000	327.068,584	0,000	0,000	00303
00041	28/12/2018	0,000	111.027,890	0,000	334.010,257	0,000	0,000	00303
00041	29/12/2018	0,000	106.328,260	0,000	339.009,589	0,000	0,000	00303
00041	30/12/2018	0,000	101.786,408	0,000	343.551,261	0,000	0,000	00303
00041	31/12/2018	0,000	98.763,202	0,000	345.430,778	0,000	0,000	00303
00041	01/01/2019	0,000	97.408,014	0,000	346.783,771	0,000	0,000	00303
00041	02/01/2019	0,000	94.199,886	0,000	349.954,999	0,000	0,000	00303
00041	03/01/2019	0,000	88.473,394	0,000	355.680,831	0,000	0,000	00303
00041	04/01/2019	0,000	82.748,022	0,000	361.405,763	0,000	0,000	00303
00041	05/01/2019	0,000	77.022,090	0,000	367.132,695	0,000	0,000	00303
00041	06/01/2019	0,000	71.294,158	0,000	372.858,027	0,000	0,000	00303
00041	07/01/2019	0,000	65.570,226	0,000	378.584,559	0,000	0,000	00303
00041	08/01/2019	0,000	59.844,294	0,000	384.310,491	0,000	0,000	00303
00041	09/01/2019	0,000	54.118,362	0,000	390.036,423	0,000	0,000	00303
00041	10/01/2019	0,000	50.848,296	0,000	393.267,322	0,000	0,000	00303
00041	11/01/2019	0,000	66.424,244	0,000	397.730,541	0,000	0,000	00303

1 2 3 4 5 6 7 8 9 10 ... Last

Figure 54: report on margins

Together with the margins, also the information on **quantità presentate in acquisto** and **in vendita** (volumes submitted for sale and purchase), expressed in MWh/day, is displayed. Volumes are coloured differently depending on whether they violate the margins: black if they fall within the maximum margin, red if they exceed the maximum margin.

Figure 54 shows the filters with which you can filter the table below. You can specify a range of dates; so, if you specify a period comprising more days (i.e. more flow dates), the table will consist of several items: a row for each

<data, operatore, operatore dello stoccaggio> (<date, participant, storage participant>). If you view a flow date that involves no margins, you will see a blank row, possibly with the volumes already submitted by the participant. You can also filter by storage participant.

As soon as the system receives the information on margins for a given flow date, it is made available on this report and consequently the volumes already submitted are marked with the appropriate colour.

COMPLAINTS

Figure 55 shows the page of complaints through which you can monitor the progress of complaints. Any complaint can be inserted and then updated by associating new messages with it. You can see the list of all the complaints made by the participant that you represent, in particular: title of the complaint, its status, code of the company (participant) to which the complaint relates, user who submitted the complaint, timestamp indicating the time of submission, and then a link relating to the possibility of adding a new message to the complaint already opened.

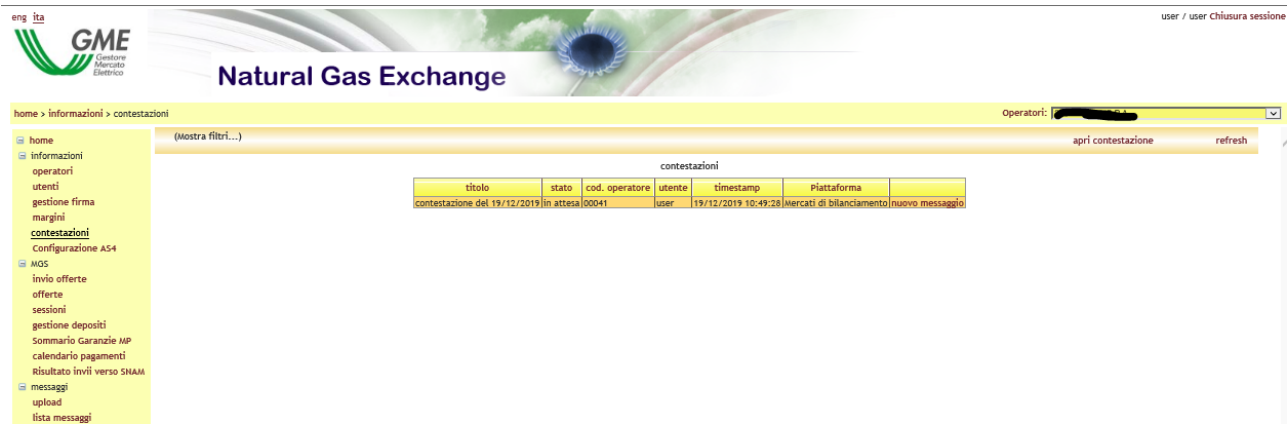


Figure 55: complaints

Selecting the 'Apri contestazione' (Open complaint) link, you can then open the window to add a complaint, as shown in Figure 56.

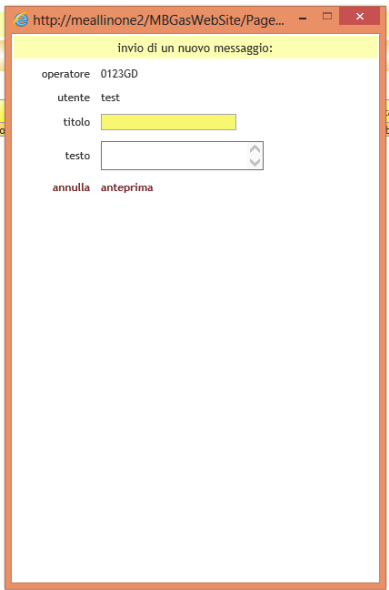


Figure 56: entering complaints

SUBMISSION OF BIDS/OFFERS

Let us now examine the pages of the [MGS](#) section. The most important page is undoubtedly the [sottomissione offerte](#) (offers/bids submission) page. Every transaction made through this page refers to the participant selected in the upper right.

The screenshot shows the 'Natural Gas Exchange' website. The top navigation bar includes the GME logo and the text 'Natural Gas Exchange'. The sidebar on the left contains a menu with options like 'home', 'informazioni operatori', 'utenti', 'gestione firma', 'margini', 'contestazioni', 'Configurazione AS4', 'MGS', 'invio offerte', 'offerte', 'sessioni', 'gestione depositi', 'Sommario garanzie ISP', 'calendario pagamenti', 'Risultato invii verso SNAM', 'messaggi', 'upload', and 'lista messaggi'. The main content area has a yellow header with 'Mercato: mercato di bil' and 'Data di flusso: 19/12/2018'. Below this, there are three tabs: 'Ripulisci form', 'Carica offerte inoltrate', and 'Firma ed invia'. The 'Carica offerte inoltrate' tab is selected, showing a table of offers. The table has columns for 'Tipo di offerta', 'Prezzo [€/MWh]', and 'Quantità [MWh/Giorno]'. The offers are listed in a table with alternating yellow and white rows. The first offer is for 'STOCCAGGI GAS ITALIA SPA (vendita)' with a price of 10.5 and a quantity of 100. The second offer is for 'STOCCAGGI GAS ITALIA SPA (acquisto)' with a price of 20.780 and a quantity of 10.8. The third offer is for 'Edison Stoccaggio (vendita)' with a price of 5.870 and a quantity of 1.870. The table also includes a 'quantità minima' and 'quantità massima' column. The bottom of the page has a 'Firma ed invia' button.

Figure 57: offers/bids submission page

The page is organised as follows: at the top there are two drop-down menus: one for the market (currently only the MBS) and the most significant drop-down menu with the flow dates corresponding to the open market sessions. After selecting a date of flow, all the transactions available on the page will refer to that date of flow.

The **codice operatore** (participant code) field allows the participant to enter a text note, which will be applied to all offers/bids submitted to the system.

Further down there are two tabs. They refer to the storage participant and further distinguish between step-up (sale) and step-down (sale) offers/bids. In general, for each storage participant enabled, there will be a pair of tabs.

Just above the tab there are three links:

- [Ripulisci form](#) (Clean up form): you can clean up the text boxes of all tabs, deleting any numerical values that are displayed.
- [Carica offerte inoltrate](#) (Load submitted offers/bids): it allows you to view in the text boxes the offers/bids already submitted for that flow date.
- [Firma e invia](#) (Sign and send): it allows you to proceed with the bid/offer submission, as shown later.

Each tab contains some useful information, i.e. the **quantità complessive minima e massima** (minimum and maximum total volumes), **expressed in MWh/day**, allowed for that storage participant, and the type of offer/bid (sale or purchase). These volumes are in practice the margins reported by SNAM Rete Gas. As for the report on margins, this information is made visible immediately on receipt of the communication with the margins for each participant. The

quantità rimanente (remaining volume) in accordance with the maximum margin is also displayed next to these values.

Further down, you can see the [svuota tab](#) (empty tab) link. It is used to clean up the text fields of a single tab, leaving those of the other tab unaltered. The **Sostituzione (Replace)** checkbox indicates that the first offer/bid specified below will replace the first offer/bid that is already in the system (with respect to the tab context: the storage participant and the type of offer/bid).

[Load offers/bids](#) displays the bids/offers already submitted, but only for that tab. The other tabs remain unchanged.

Finally, we see the ten bidding steps, each of which must specify the price and volume (expressed in MWh/day). It is not mandatory to specify each step; therefore, for each tab, you can also specify a single step.

By clicking [Sign and Send](#), the procedure for the signing and submission of bids/offers starts. If you specify offers/bids with prices that exceed the maximum or minimum threshold, the system will return a page that requires further confirmation.

Figure 58: prompting for confirmation of a very low price

Figure 58 shows an example of a demand bid at a price equal to **3 €/MWh**. This page requires confirmation ([continue](#)) or allows going [indietro](#) (back) and making corrections. When you click [continue](#), you finally get to the offers/bids signature and submission page.

Figure 58: the phase of the content signature

Figure 58 shows the essential data that characterise the offers/bids: type of offer/bid, unit price, volume (expressed in MWh/day), notes, storage participant associated with the bid/offer, indication of whether it is a replacement, and the action. In this case it is always an action of the **“inserisci”** (enter) type. In general, you can also perform the actions of **cancellazione** (cancellation) and **modifica** (change). To perform these actions, you need to load in the tabs the offers/bids already submitted through the links already described or simply reload the page (in fact, every time you reload the page, the offers/bids already submitted are automatically displayed).

Figure 59: managing offers/bids already submitted

Figure 59 shows the offers/bids already submitted. With respect to Figure 57, please note that the second offer/bid was modified with regard to the volume, while the fourth is marked with the action **Delete**.

LIST OF OFFERS/BIDS

Once you handled the offers/bids, you can then view them in the offers/bids report, shown in Figure 60. Please note that the report is specific to the participant selected in the upper right.

Figure 60: list of offers/bids

Observing the filters, you may see the bids/offers by range of flow dates, type of transaction (sale and/or purchase), and offer/bid status.

You can also specify the offer/bid ID or the ID of the xml message through which the offer/bid was submitted.

The table shows details such as: the market, the volume submitted (expressed in MWh/day), the curtailed volume (we will return to this point later), the accepted volume (visible only upon the session confirmation), the price, the price at which the offer/bid was accepted, the flow date, the date of submission of an offer/bid (or its latest update), the code

of the participant that has sent the offer/bid, the type of offer/bid, the offer/bid status, the offer/bid ID, the user who sent the offer/bid, the code of the storage participant, and any notes.

SESSIONS PAGE

Continuing with the series of pages, we find the page with the list of market sessions. It shows all the MBS sessions, indicating, for each of them, the ID of the session, the flow date, the opening hours, the closing hours, the market, and the status. As for the status, a session can be **aperta**, **chiusa** or **completata** (open, closed or completed). Open sessions allow the submission of offers/bids and their management (**modifica** o **revoca** - change or withdrawal). A closed session no longer accepts offers/bids or modifications of those already submitted. A session is completed when it was performed, the matches were confirmed, and the marginal price was determined.

id sessione	data	apertura	chiusura	mercato	stato	
290	11/10/2011	06/10/2011 20.00.00	11/10/2011 20.00.00	MBS	APERTA	
287	10/10/2011	05/10/2011 20.00.00	10/10/2011 20.00.00	MBS	APERTA	
284	09/10/2011	04/10/2011 20.00.00	07/10/2011 12.12.31	MBS	COMPLETATA	risultati di mercato grafico Asta Sell qty: 4.900,0 Buy qty: 1.570,0 M. price: 14,50 M. qty: 1.570,0
283	08/10/2011	03/10/2011 20.00.00	07/10/2011 11.55.14	MBS	COMPLETATA	risultati di mercato grafico Asta Sell qty: 3.805,8 Buy qty: 2.560,6 M. price: 16,00 M. qty: 2.560,6
282	07/10/2011	02/10/2011 20.00.00	07/10/2011 12.22.10	MBS	COMPLETATA	risultati di mercato grafico Asta Sell qty: 712,7 Buy qty: 4.560,0 M. price: 34,30 M. qty: 712,7
280	06/10/2011	01/10/2011 20.00.00	06/10/2011 10.31.11	MBS	COMPLETATA	risultati di mercato grafico Asta Sell qty: 1.021.224,2 Buy qty: 130,0 M. price: 12,40 M. qty: 130,0

Figure 61: report on sessions

Completed sessions show the details, as shown in Figure 61. The figure shows the volume submitted for sale, that submitted for purchase, the marginal price, and the marginal volume. Each completed session also denotes two links: [risultati di mercato](#) (market results) and [grafico](#) (graph).

MARKET RESULTS

Clicking [market results](#) opens a page with more details: the data regarding the volumes submitted, the marginal price, and the marginal volume is repeated.

Ragione Sociale	Codice Operatore	data	Qtà (Stogit)	Qtà (Edison)
AZ Gas	AZGAS	09/10/2011	-958,3	0
Energy Sol	ENSOL	09/10/2011	-611,7	0

Figure 62: market results

Below, you may view the net positions of participants, i.e. only those associated with the connected user. For each participant, the system shows the net position for each storage participant.

DEMAND AND SUPPLY INTERSECTION GRAPH

In the sessions page, by clicking on [graph](#), you open a pop-up containing information already reported in the previous two pages. In addition, you will view a graph with the intersection of the demand and supply curves.

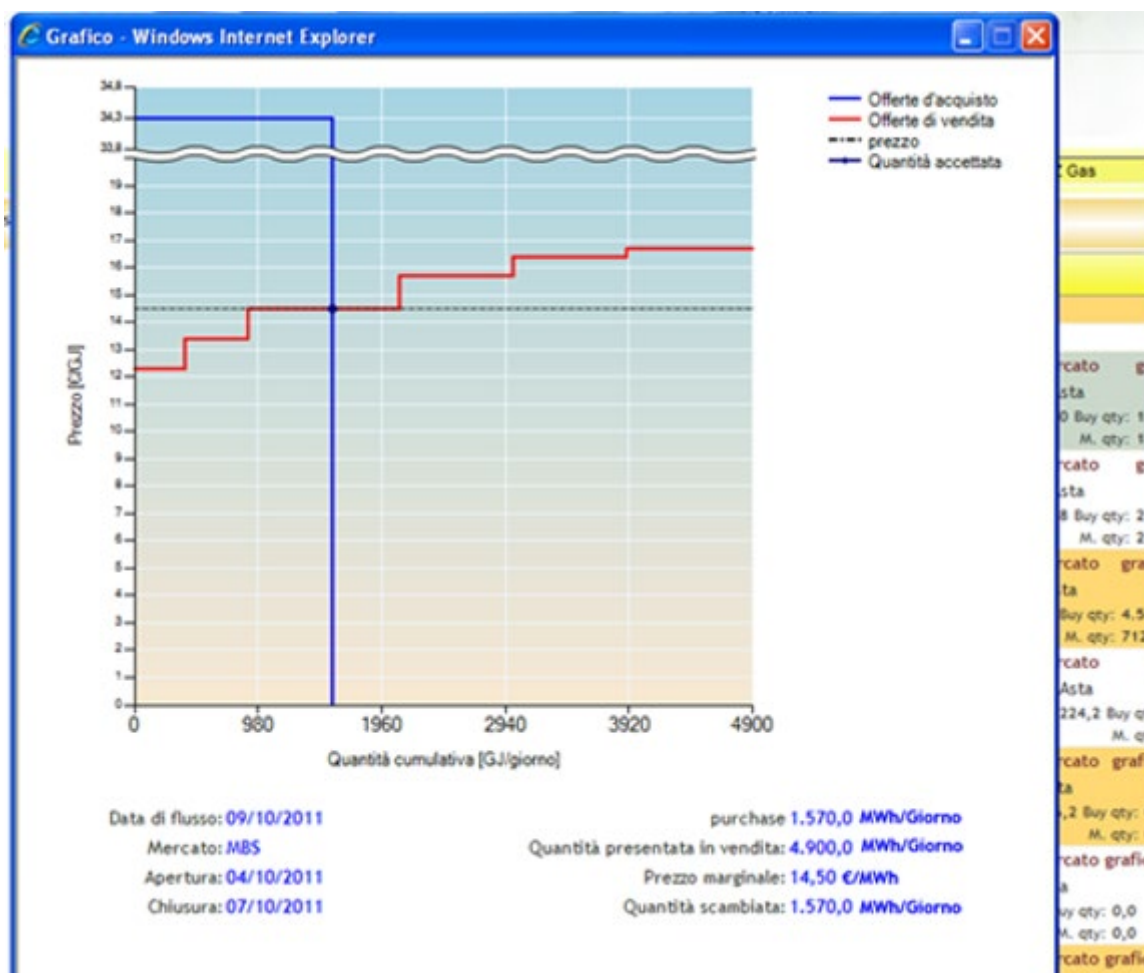


Figure 63: graph with the intersection of the demand and supply curves

DEPOSIT MANAGEMENT

The [gestione depositi](#) (deposit management) page allows users to view but not modify the status of financial guarantees relating to the forward gas market (MT) in relation to the participants that they represent.

The first report contains information such as the code and registered name of the participant, the initial amount of the deposits, the last due date and the last paid date.

By clicking “dettagli” (details), you may view the underlying report, which provides details about deposits and credit/debit adjustments.

(Mostra filtri...)						export	refresh
op.	ragione sociale	Quantità iniziale	ultima data in pagamento	ultima data pagata			
00000	2B ENERGIA S.P.A.	50.000,000	08/12/2019	17/11/2019	dettagli		
dettagli operatore : 2B ENERGIA S.P.A.							
<input type="checkbox"/> visualizza movimenti chiusi							
AccountActivityId	Descrizione movimento	Quantità iniziale	validità	Note	Data di flusso	Chiuso	
783384	Financial Guarantee	50000,000	tutte le garanzie		18/12/2019		
783385	Adjustment	-500,000			18/12/2019		
783386	Adjustment	7000,000			17/12/2019		
Chiudi							

Figure 64: deposit management

By checking the **visualizza movimenti chiusi** (display closed movements) box, you may view possible closed deposits and credit/debit adjustments.

SUMMARY OF MP GUARANTEES

On the [Sommario Garanzie MP](#) (summary of MP guarantees) page, you may view but not modify the status of the financial guarantees of the participants that the user represents (Figure 65). For each participant selected, the drop-down menu shows.

- in the section “[Sommario Garanzie MP](#)” (Summary of MP Guarantees), the initial guarantee (the amount of valid guarantees registered on the Netting platform, reduced by the Maintenance Margin of 3%); Guarantee Capacity (the difference between Initial Guarantee and Exposure); the Exposure (the exposure determined by all the positions held on all the platforms whose guarantee pertains to the Netting);
- in the section “[Dettaglio Garanzie](#)” (Guarantees Detail) all the deposits and bank guarantees relating to the centralised Netting guarantee system and the credit and debit adjustments of the MP spot gas market;
- in the section “[Esposizione per data di settlement](#)” (Exposure by Settlement Date), all exposures divided by settlement date, determined by all the positions held on all the platforms whose guarantee pertains to the Netting, and the valid credits of the MP spot gas market only.

refresh

Sommario Garanzie MP				
Descrizione	Valore			
Garanzia Iniziale	145.500			
Capienza Garanzia	144.264,24			
Esposizione	-1.235,76			
Dettaglio Garanzie				
Tipo	Inizio Validità	Fine Validità	Importo	Importo Residuo
Deposito	01/01/0001	31/12/9999	97.000	97.000
Fidejussione	18/12/2018	31/12/2018	970	970
Credito	16/12/2019	05/01/2020	4.800	4.800
Fidejussione	18/12/2019	31/12/2050	48.500	47.264,24
Esposizione per data di Settlement				
Data di Settlement	Esposizione			
08/01/2020	3.564,24		dettagli	

Figure 65: summary of MP guarantees.

By clicking on **dettagli** (details), you may view a pop-up containing the details of the financial guarantee formulas, in which all items and the relative amount can be identified (Figure 66).

Internet Explorer

dettagli Esposizione - Internet Explorer

2B ENERGIA S.P.A.

Data di Settlement : 08/01/2020

dettagli

Data di flusso	Esposizione
18/12/2019	-1.235,76
21/12/2019	2.400
22/12/2019	2.400

Figure 66: details of the financial guarantee

UPLOAD

After the section of the menu called [MGS](#), let us now turn to the last section, namely the [messages](#). The [upload](#) page is used to forward to the system the xml files described in detail in the [implementation guide](#).

This manual will exclusively show how to upload a file. Please remember that you must select a participant referred to in the xml file, otherwise the message will be rejected by the system. Clicking [sfoglia](#) (browse), you select the xml file and clicking **Upload file**, you load it on the system, after signing the contents of the file. The outcome of the transaction submitted to the system can be checked in the [messages list](#) page, analysed below.

MESSAGES LIST

This page displays all the input messages and the output ones from the system. Please note that the system displays not only the XML files submitted via the upload page: every transaction on the system through the normal pages of the platform is then converted into an xml file and stored in the database. Therefore, the message list also shows those transactions made through web pages.

Let us analyse in detail the columns that make up the table. The message ID is also a link that allows you to view the original xml message detailing the transaction. Similarly, the ID of the out message allows you to view the **FA**, or the outcome of the transaction. The third column allows you to view the contents signed at the time of submission via web pages. It tracks the status of the message, the participant's code, the user who submitted the file, the file name, the timestamp, the success rate of the transaction (for example, if within the same xml file you submit 4 offers/bids and only three of them are accepted by the system, the column will show 3 -> 4), and finally, the processing time.

home > messaggi > lista messaggi

Operatori: [redacted]

(nascondi Filtri...)

data inizio 20/12/2018

data fine 20/12/2019

☒ mark

export refresh

id message	id out message	Contenuto	message subject	message status	op.	user code	file name	timestamp	Transazione	elab. time
581978	1462319	Visualizza	Offers	OUT	00041	user	Offers.xml	20/12/2019 15:17:53	4 -> 4	00.00
581105	1462073	Visualizza	Offers	OUT	00041	user	Offers.xml	19/12/2019 11:20:37	3 -> 3	00.01
581103	1462070	Visualizza	DisputeMessages	OUT	00041	user	DisputeMessages	19/12/2019 10:49:28	1 -> 1	00.00
-	1461755			OUT	00041		MEMMR_5cc4f9e072	18/12/2019 10:25:02		
-	1458922			OUT	00041		MEMMR_Cb7b32601b	04/12/2019 15:51:36		
-	1458593			OUT	00041		MEMMR_9f955f1594	04/12/2019 13:33:18		
576345	1454516	Visualizza	Offers	OUT	00041	[redacted]	Offers.xml	08/11/2019 14:11:30	0 -> 1	00.00
575897	1453860	Visualizza	Offers	OUT	00041	[redacted]	Offers.xml	31/10/2019 11:29:03	1 -> 1	00.12
-	1440526			OUT	00041		MEMMR_3ba7cd94bb	12/02/2019 15:12:52		
-	1440401			OUT	00041		MEMMR_b1ecdd0629	12/02/2019 15:02:24		
-	1440286			OUT	00041		MEMMR_39cac46387	12/02/2019 15:02:17		
-	1440069			OUT	00041		MEMMR_520277832e	11/02/2019 11:56:34		
-	1439937			OUT	00041		MEMMR_a9bb5befe7	11/02/2019 11:36:19		
-	1439811			OUT	00041		MEMMR_77ccc5e64c	11/02/2019 11:19:45		
-	1437626			OUT	00041		MEMMR_27d42ae08c	07/02/2019 10:42:10		
-	1437516			OUT	00041		MEMMR_8526832c3b	07/02/2019 10:42:05		
-	1436266			OUT	00041		MEMMR_10e66301f	06/02/2019 10:39:59		
-	1436156			OUT	00041		MEMMR_a5c8892279	06/02/2019 10:39:52		
-	1434783			OUT	00041		MEMMR_27b21160b2	05/02/2019 10:37:09		
-	1434673			OUT	00041		MEMMR_64ef343d60	05/02/2019 10:36:57		
-	1433303			OUT	00041		MEMMR_9a8c14107e	04/02/2019 10:38:15		
-	1433193			OUT	00041		MEMMR_9253e45954	04/02/2019 10:38:08		
-	1432869			OUT	00041		MEMMR_39f7d80964	03/02/2019 10:48:47		
-	1432459			OUT	00041		MEMMR_a0b4377cd8	03/02/2019 10:46:40		

1 2 3 4 5

Figure 67: messages list

The available filters allow you to select the messages with timestamps within a given range of dates.

The **mark** checkbox instead allows you to mark the output messages as downloaded, when they are viewed by clicking the ID out message.

DYNAMICS OF A MARKET SESSION

To better understand the dynamics of a market session, below are some typical scenarios.

SUBMISSION OF BIDS/OFFERS

As previously reported, each participant may submit up to twenty offers/bids for each of the storage participant. 10 of these are demand bids and 10 are supply offers.

The participant can take note of his/her/its maximum and minimum margins for purchase and sale and submit bids/offers accordingly. However, the system, at the time of acceptance of bids/offers, will not check the margins and thus it will not report to the participant any failure to satisfy the margins.

CLOSING OF THE SESSION AND ITS COMPLETION

Upon the close of the session, the participant cannot submit bids/offers. First the margins are checked for each participant.

MARGINS CHECK

There are different scenarios, regarding the margins check:

- 1) **The participant has submitted bids/offers that satisfy the margins.**
- 2) **The participant has exceeded the maximum margin:** in this case (given a storage participant and a type of bid/offer) the sum of the volumes of the submitted offers/bids, accepted by the system, exceeds the maximum margin. In this case, offers/bids are ranked in merit order and volumes (starting from the least meritorious bid/offer) are curtailed until satisfying the margin. Offers/bids with corrected volumes will be accompanied by a note **"MARGIN VIOLATION"**, possibly linked to the note entered by the participant, as shown in Figure 68. The "Qtà tagl." (curtailed volume) column shows the curtailed volume, i.e. the volume that will be considered by the algorithm, after curtailing it due to margin violation.

Operatori: [REDACTED]

(Nascondi Filtri...)

export refresh clear

Data flusso inizio: 06/10/2011 tipo operazione: Id offerta: Mercato: MBS

Data flusso fine: 14/10/2011 stato offerta: Id msg:

mercato	qlà or.	qlà tagl.	avgqly	prezzo	p. acc.	data flusso	data	op.	tipo	stato	id off.	utente	op. stoccaggio	Notes
MBS	0,0	20,0	20,0	22,53	34,30	07/10/2011	07/10/2011 12.22.55	ENSOL	vendita	abbinata	768	pbgas.user	STOSGT	MARGIN VIOLATION GENERATED OFFER
MBS	900,0	900,0		15,70	-	09/10/2011	07/10/2011 12.11.35	ENSOL	vendita	scartata	761	pbgas.user	STOSGT	
MBS	200,0	200,0	111,7	14,50	14,50	09/10/2011	07/10/2011 12.11.35	ENSOL	vendita	abbinata	760	pbgas.user	STOSGT	
MBS	500,0	500,0	500,0	13,40	14,50	09/10/2011	07/10/2011 12.11.35	ENSOL	vendita	abbinata	759	pbgas.user	STOSGT	
MBS	1.400,0	700,0		16,45	-	08/10/2011	07/10/2011 11.25.05	ENSOL	vendita	scartata	710	pbgas.user	STOSGT	MARGIN VIOLATION
MBS	800,0	800,0	800,0	15,54	16,00	08/10/2011	07/10/2011 11.25.05	ENSOL	vendita	abbinata	709	pbgas.user	STOSGT	
MBS	500,0	500,0	500,0	13,43	16,00	08/10/2011	07/10/2011 11.25.05	ENSOL	vendita	abbinata	708	pbgas.user	STOSGT	

Figure 68: curtailed offers/bids due to margin violation

Figure 69 shows the report on margins with failures to satisfy the margins. It displays the exceeded maximum margin in red and the volumes below the minimum margin in blue. Situations satisfying the margins are indicated in black.

report margins

Operatori: [REDACTED]

(Nascondi Filtri...)

export ref

Data flusso inizio: 07/10/2011 Operatore stoccaggio:

Data flusso fine: 10/10/2011

op.	data flusso	min. salire	max salire	min scendere	max scendere	qlà presentata salire	qlà presentata scendere	op. stoccaggio
GASBIZ	08/10/2011	40,5	1.000,5	45,5	600,0	0,0	0,0	STOSGT
ENSOL	08/10/2011	20,0	2.000,0	50,3	300,1	2.700,0	0,0	STOSGT
AZGAS	08/10/2011	400,0	3.000,0	500,0	2.000,0	1.700,5	9,0	STOSGT
GASBIZ	07/10/2011	40,5	1.000,5	45,5	600,0	0,0	0,0	STOSGT
ENSOL	07/10/2011	20,0	2.000,0	50,3	300,1	0,0	0,0	STOSGT
AZGAS	07/10/2011	400,0	3.000,0	500,0	2.000,0	0,0	0,0	STOSGT
GASBIZ	09/10/2011	-	-	-	-	0,0	0,0	STOSGT
AZGAS	09/10/2011	-	-	-	-	3.300,0	0,0	STOSGT
ENSOL	09/10/2011	-	-	-	-	1.600,0	0,0	STOSGT
ENSOL	10/10/2011	-	-	-	-	0,0	0,0	STOSGT
GASBIZ	10/10/2011	-	-	-	-	0,0	0,0	STOSGT
AZGAS	10/10/2011	-	-	-	-	0,0	50,0	STOSGT

Figure 69: report on margins with failures to satisfy the margins

INVALIDATION OF OFFERS/BIDS

After checking the margins, the system proceeds to invalidate participants' offers/bids of the same type as that submitted by SNAM Rete Gas. These offers/bids are marked as **non valide** (invalid).

GUARANTEE CHECK

The next step involves the guarantee check on demand bids submitted by participants. The most significant scenario involves the exceedance of the financial guarantee available to the participant. In that case, some offers/bids are marked as **invalid**. Invalid and curtailed offers/bids show **"OFFER REFUSED FOR WARRANTY OVERFLOW"** in the notes.

EXECUTION AND PRO RATA ALLOCATION OF BIDS/OFFERS

At this point, the market can form the **prezzo** (price) and the **quantità marginale** (marginal volume), through the intersection of the demand and supply curves.

It may happen that there are more offers/bids submitted with a price that will turn out to be the marginal one. In this case, the system carries out a *pro rata* allocation of offers/bids, dividing the reference volume among all bids/offers at

the marginal price. The volume is distributed in percentage, weighting the volumes submitted. Possible residues are allocated starting from the temporally oldest offer/bid.

MARKET OUTCOMES

After the session, you can view the summary details through the already examined the sessions page.

On the messages list page, the market outcomes and bid notifications are also made available. The market outcomes show the price, the marginal volume, and the submitted volumes for sale and purchase. The bid notifications, instead, contain the results of bids/offers, showing details such as the marginal price, the “rewarded” volume, the curtailed volume, etc. Details of the format of these files are available in the **implementation guide**.

FEATURES OF THE LOCATIONAL PRODUCTS MARKET (MPL) PORTAL

This section shows the features offered by the portal. First, the user must obtain access to the portal. After completing all the procedures specified in the applicable legislation, the user must register with the portal following the procedure described on page 5.

HOME PAGE

Figure 70 shows the homepage of the portal, with the numbers of its four main sections, which are always available, whatever the page opened by the user.

USER DETAILS AND LOGOUT

Section **(1)** shows the name of the authenticated user and his/her role (**user** or **viewer**). Immediately next, there is a drop-down menu that allows you to choose the language in which to display the content of the portal. The content of the pages will be translated into the selected language. In addition to changing the textual parts, changing the language also involves displaying the date in Italian (it-IT) or English (en-GB) format and the decimal separator for figures: the comma (",") for Italian and the point (".") for English.


By clicking the  icon on the right, you can leave the portal, closing the session. Now, the user must re-authenticate himself/herself if he/she wants to access the portal.



Figure 70: homepage of the portal

AUTHORISED PARTICIPANTS

Section **(2)** displays a drop-down menu containing all participants authorised to operate on the **MPL** and associated with the current user. The operations that the user performs on the portal, such as the submission of offers/bids, are associated with the participant selected on that menu.

MENU

Section **(3)** shows the menu that contains the links to all the pages that the user can reach. There is an **information** section where all the pages bearing information useful to users are grouped. The **MPL** section contains the pages for the submission and monitoring of offers/bids and the results of the market sessions, as well as the read-only pages showing the deposit management and the summary of participants' guarantees.

Finally, the **messages** section shows the pages for uploading xml files and the list of input and output messages of competence of those participants associated with the user.

MAIN CONTENT

The last section **(4)** shows the content of the pages. The homepage, that is the one shown in Figure 70, is the page that contains communications to participants.

FILTERS AND REPORTS

Before you scroll through the pages of the portal, it is necessary to explain a common feature to all the pages that show a report.

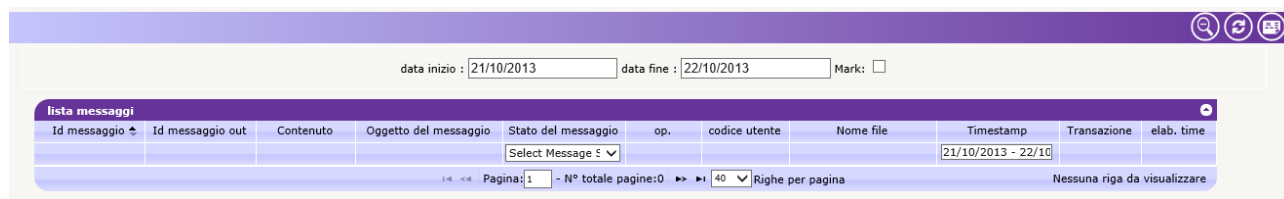






Figure 71: filters and reports in Excel

Each report page has a filters section that usually is not shown when the page is opened. To show it, you must click the  icon in the upper-right group. Conversely, to hide it, you must click instead the  icon. The one that appears is the filters section in which, in general, you can enter values that aim to restrict the number of results provided by the underlying report. To reload the report taking account of appropriate filters, it is necessary to click . Finally, you can export the report in Excel format by clicking . After clicking, the page asks you to save the report in Excel format, displaying all the results, obviously without paging them as it happens on the web page.

Some filters are shown for convenience on the columns. After changing the filter, the refresh is automatic.

USERS' PAGE

The users' page shows the list of users entitled to operate for a participant. The page is read-only and shows data such as user code, name and surname, telephone, e-mail, certificate of authentication and signature of all users entitled to operate for the same participant.

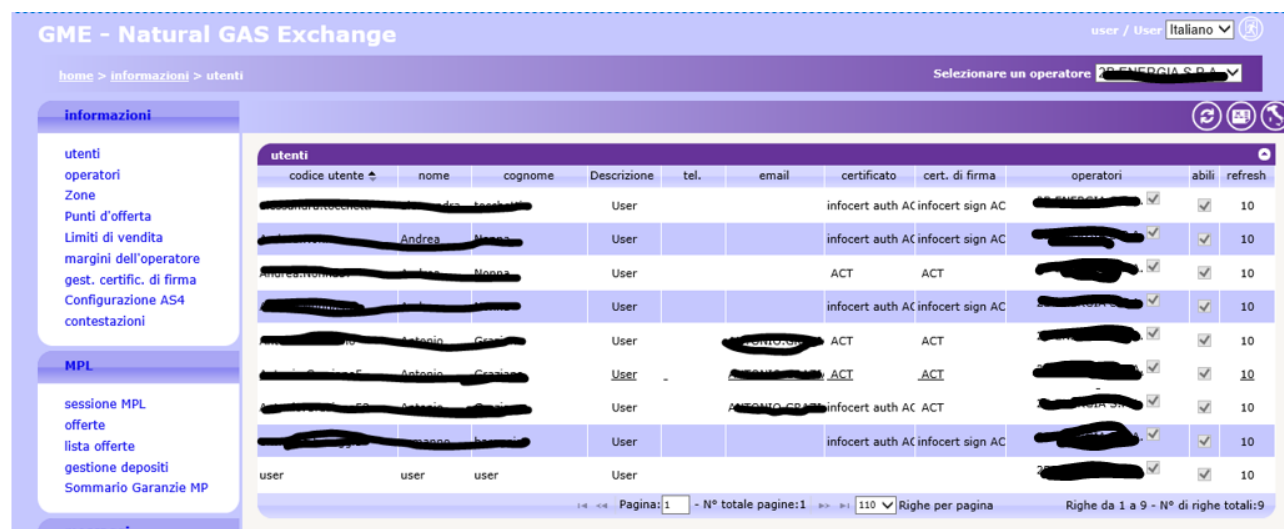
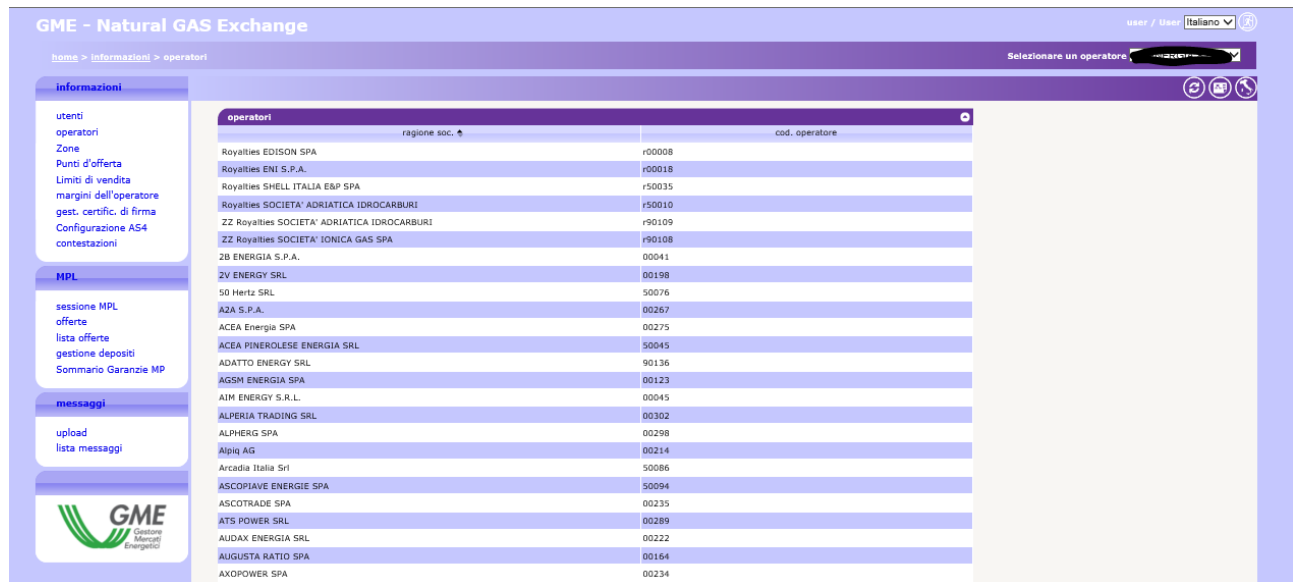


Figure 72: list of participants entitled to the platform

PARTICIPANTS' PAGE

The [participants'](#) page shows the list of participants authorised to operate on the MPL. This page is read-only and contains information regarding the registered name and the code of the participant.

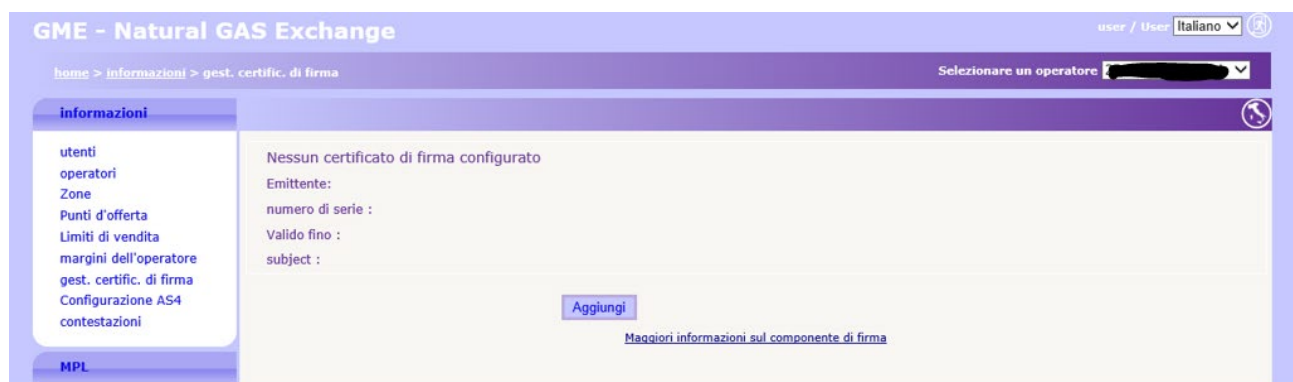


operatori	ragione soc. ↑	cod. operatore
Royalties EDISON SPA		r00008
Royalties ENI S.P.A.		r00018
Royalties SHELL ITALIA E&P SPA		r50035
Royalties SOCIETA' ADRIATICA IDROCARBURI		r50010
ZZ Royalties SOCIETA' ADRIATICA IDROCARBURI		r90109
ZZ Royalties SOCIETA' IONICA GAS SPA		r90108
ZB ENERGIA S.P.A.		00041
ZV ENERGY SRL		00198
50 Hertz SRL		50076
AZA S.P.A.		00267
ACEA Energie SPA		00275
ACEA PINEROLESE ENERGIA SRL		50045
ADATTO ENERGIA SRL		90136
AGSM ENERGIA SPA		00123
AIM ENERGY S.R.L.		00045
ALPERIA TRADING SRL		00302
ALPHERG SPA		00298
Alpiq AG		00214
Arcadia Italia Srl		50086
ASCOPIAVE ENERGIE SPA		50094
ASCOTRADE SPA		00235
ATS POWER SRL		00289
AUDAX ENERGIA SRL		00222
AUGUSTA RATIO SPA		00164
AXOPOWER SPA		00234

Figure 73: list of participants entitled to the platform

ADDING A NEW SIGNATURE CERTIFICATE

Through the [gestione firma](#) (signature management) link, you can access the page that offers users the possibility to manage their signature certificate. If the user fails to have a signature certificate, the page looks like in Figure 74; the link **“Aggiungi”** (Add) allows the user to add a certificate.



Nessun certificato di firma configurato

Emittente:

numero di serie :

Valido fino :

subject :

[Aggiungi](#)

[Maggiori informazioni sul componente di firma](#)

Figure 74: the user has no signature certificate. The page allows you to add one.

By clicking on the link **“Aggiungi”** (Add), you can choose, among the certificates installed on the user's computer, the one that you wish to use to sign the transactions being uploaded to the system, as shown in Figure 75.

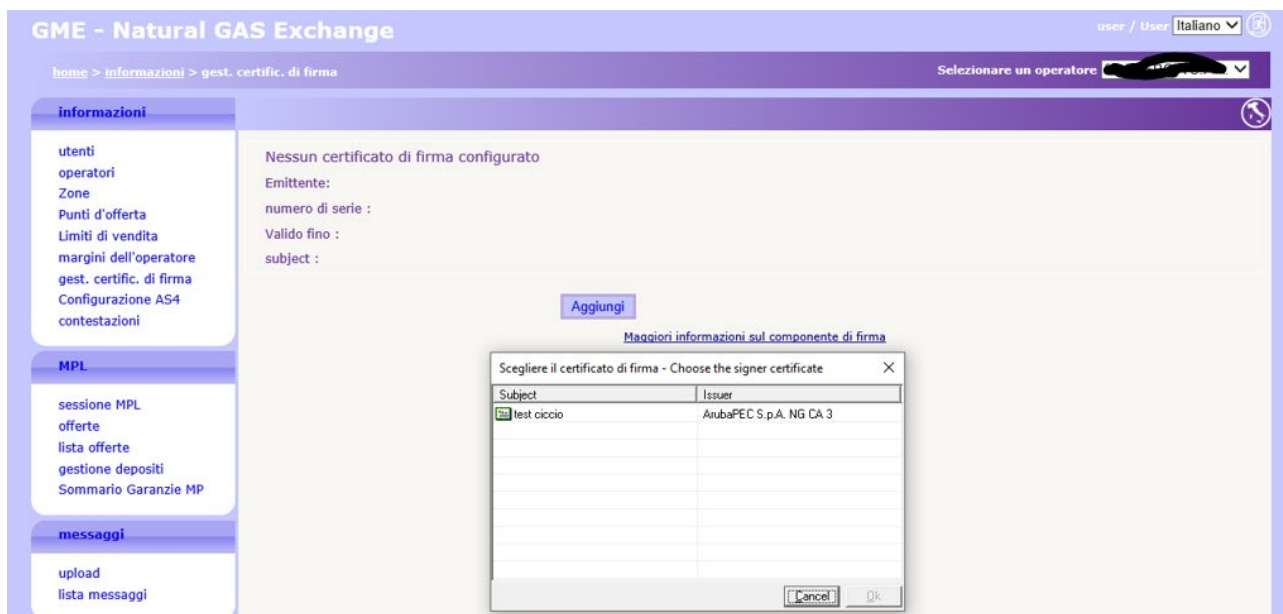


Figure 75: insertion of a new certificate

Once the certificate has been selected, its details are shown on the page. At this point, the user must confirm the insertion of the certificate by clicking on the link **“Salva”** (Save).



Figure 76: details of the certificate being inserted

Once the certificate has been inserted, before it can be used in transactions, it must be authorised by the portal administrator.

ZONES PAGE

The zones page is another read-only page that allows to view all the zones in which the user is authorised to operate on behalf of the participant selected in the drop-down menu at the top right and the maximum inter-zonal flows that can move from zone to the other in both directions.

GME - Natural GAS Exchange

user / User Italiano

home > informazioni > Zone

Selezionare un operatore

informazioni

- utenti
- operatori
- Zone
- Punti d'offerta
- Limiti di vendita
- margini dell'operatore
- gest. certific. di firma
- Configurazione AS4
- contestazioni

MPL

- sessione MPL
- offerte
- lista offerte
- gestione depositi
- Sommario Garanzie MP

messaggi

- upload
- lista messaggi

Zone

Codice Zona	descrizione	abilitato
IMPORT1	Import	<input checked="" type="checkbox"/>
PSV	The PSV zone	<input checked="" type="checkbox"/>
EDISON1	Edison Stoccaggio	<input checked="" type="checkbox"/>
GNL	LNG	<input checked="" type="checkbox"/>

1 - N° totale pagine:1 110 Righe da 1 a 4 - N° di righe totali:10

Vincoli interzonali

Zona 1	Zona 2	Da 1 a 2	Da 2 a 1	Funzione di costo	Descrizione
Zone for G+1 offers	The PSV zone	900000,000	899000,000	0,0	G1 to PSV
Residuale Iniezione SRG	The PSV zone	900000,000	899000,000	0,0	STG to PSV
Zone for G+n offers	Zone for G+1 offers	900000,000	899000,000	0,0	GN to G1
LNG	The PSV zone	900000,000	899000,000	0,0	GNL to PSV
Import	The PSV zone	900000,000	899000,000	0,0	IMP to PSV

1 - N° totale pagine:1 110 Righe da 1 a 5 - N° di righe totali:5

GME
Gestione Mercati Energetici

Figure 77: zones page

SALE LIMITS PAGE

The [limiti di vendita](#) (sale limits) screen indicates the operating margin of the participant selected in the drop-down menu at the top right, by filtering by date of flow.

GME - Natural GAS Exchange

user / User Italiano

home > informazioni > Limiti di vendita

Selezionare un operatore

informazioni

- utenti
- operatori
- Zone
- Punti d'offerta
- Limiti di vendita
- margini dell'operatore
- gest. certific. di firma
- Configurazione AS4
- contestazioni

MPL

- sessione MPL
- offerte
- lista offerte
- gestione depositi
- Sommario Garanzie MP

messaggi

- upload
- lista messaggi

SellLimit

op. #	data	marginale operativo € [C]
	21/12/2019	

1 - N° totale pagine:0 110 Righe per pagina Nessuna riga da visualizzare

GME
Gestione Mercati Energetici

Figure 78: sale limit page

COMPLAINTS

- Figure 79 shows the page of complaints through which you can monitor the progress of complaints. Any complaint can be inserted and then updated by associating new messages with it. You can see the list of all the complaints made by the participant, in particular: the title of the complaint, its status, the code of the company (participant) to which the complaint relates, the user who submitted the complaint, the timestamp indicating the time of submission, and then a link relating to the messages associated with the selected complaint.
- Possibility to add a new message to the already open complaint.

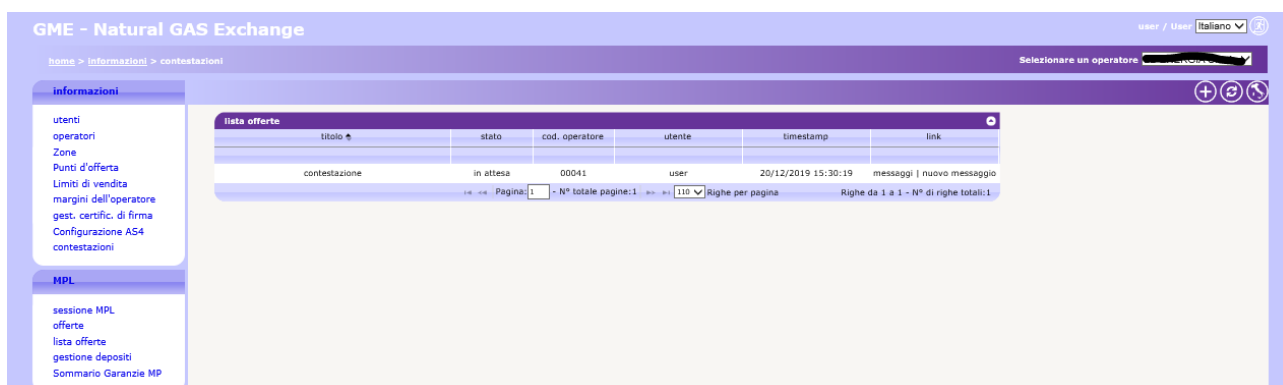


Figure 79:complaints page

With the  icon, you can then open the window to add a complaint, as shown in Figure 80.

Figure 80: page for entering complaints

OFFER POINTS

Continuing with the series of pages, please find the [Punti d'offerta](#) (offer points) page. It a report that lists the offer points enabled to the platform. By default, only the products being traded today are shown. You can still change the filter values, by accessing the hidden panel for the management of filters.

cod. punto d'offerta	description	op.	zona	abilitato	mercati abilitati	Deleghe	timestamp
35718200	Passo Gries	10000	IMPORT1	<input checked="" type="checkbox"/>	PBZ1 - abilitato - [13/11/2013 - 13/11/2013]	abilitato [01/01/2017 - 31/12/2019 11:59]	
PSV	Residuale Stoccaggio ST	10000	Risorse PSV	<input type="checkbox"/>	PBZ1 - abilitato - [28/01/2014 - 14/11/2014]	disabilitato [01/10/2007 - 30/09/2019 11:59]	
PSV LP	Line Pack	10000	PSV LP	<input type="checkbox"/>	PBZ1 - abilitato - [14/02/2014 - 01/01/2015]	disabilitato [01/10/2007 - 30/09/2019 11:59]	
PSV STG	Residuale Stoccaggio ST	10000	PSV STG	<input type="checkbox"/>	PBZ1 - abilitato - [14/02/2014 - 01/01/2015]	disabilitato [01/10/2007 - 30/09/2019 11:59]	
Risorse SRG	Risorse SRG	10000	Risorse SRG	<input type="checkbox"/>	PBZ1 - disabilitato - [28/01/2014 - 14/11/2014]	disabilitato [01/10/2007 - 30/09/2019 11:59]	

Figure 81: offer points page

The columns displayed are: the code of the offer point, its description, the reference participant, the relevant zone, the enablement, the enabled markets, and any proxy, respectively.

SENDING OFFERS/BIDS

The **offerte** (offers/bids) page allows you to manage your bids/offers for a specific market session, i.e. sending, modification, and revocation. The page looks like in Figure 82.

Analysing the page, at the top, there is a drop-down menu with the list of sessions open to the submission of bids/offers; on the right, there is another drop-down menu listing all offer points for which the participant is authorised to operate. Once you have selected the offer point, you can send (and generally manage) specific offers/bids for that offer point.

Just below you can view summary information such as: the volume presented for sale (expressed in MW), the number of bids/offers already submitted in that session, the sale limit for that participant (if already communicated by SNAM Rete Gas), and finally the details of the bid/offer submitted by SNAM Rete Gas (if it has already been forwarded to the system).

Further below again, there is the vector of the offers/bids, compilable by the user.

The screenshot shows the GME offers/bids submission page. The page has a sidebar on the left with navigation links: **informazioni** (utenti, operatori, Zone, Punti d'offerta, Limiti di vendita, margini dell'operatore, gest. certific. di firma, contestazioni), **MPL** (sessione MPL, offerte, lista offerte, gestione depositi, sommario garanzie, calendario pagamenti), and **messaggi** (upload, lista messaggi, messaggi in Home Page). The main content area is titled "Selezionare un operatore" and contains a form for submitting offers. The form includes a dropdown for "Sessione di mercato" (PBZ1 - 16/11/2017) and a dropdown for "punto d'offerta". Below these are two summary boxes: one showing "offerte presentate: 0", "margine operativo €: 0,000 €", and "margini dell'operatore: 0,000 MWh"; the other showing "SRGOfferType", "SRGPrice: 0,000 €/MWh", and "SRGQuantity: 0,000 MWh". The main table has columns: "id offerta", "Prezzo [€/MWh]", "Quantity [MW]", "tipo di offerta", "reference", and "operazione". The table contains 10 rows, each with a "new" button, empty input fields for price and quantity, a dropdown for "tipo di offerta" (set to "acquisto"), a dropdown for "reference" (set to "17/11/2017"), and a dropdown for "operazione" (set to "Inserisci"). At the bottom of the table is a "note" field and a "firma e invia" button.

Figure 82: offers/bids submission page

SUBMISSION OF ONE OR MORE OFFERS/BIDS

Figure 83 shows an example of sending two offers/bids: a supply offer and a demand bid. To send, you must previously select an offer point and fill in the fields related to the price and volume (expressed in MW).

home > MPL > offerte

Selezionare un operatore MyOp1

informazioni

- utenti
- operatori
- Zone
- Punti d'offerta
- Limiti di vendita
- margini dell'operatore
- gest. certific. di firma
- contestazioni

MPL

- sessione MPL
- offerte
- lista offerte
- gestione depositi
- sommario garanzie
- calendario pagamenti

messaggi

- upload
- lista messaggi
- messaggi in Home Page

GME
Gestore
Mercati
Energetici

offerte

Sessione di mercato PBZ1 - 16/11/2017

punto d'offerta Passo Gries

offerte presentate 2

margini operativo € 0,000 €

margini dell'operatore 0,000 MWh

SRGOfferType

SRGPrice 0,000 €/MWh

SRGQuantity 0,000 MWh

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
763322	10,000	100,000	acquisto	16/11/2017	modifica
763323	15,000	200,000	vendita	16/11/2017	modifica
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci

note

firma e invia

Gme S.p.a

100%

Figure 83: submission of one or more offers/bids

Pressing "sign and send", you proceed with the phase of the transaction signature (Figure 76). There are all the details that characterise the offer/bid. Moreover, the system also shows the operation performed (in this case "enter"); then you will see other possible operations.

Stai per essere inviata un'offerta con questi dati:

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	punto d'offerta	Sessione di mercato	operazione	Offerte predefinite
763322	10,000	100,000	acquisto	16/11/2017	Passo Gries	PBZ1 - 16/11/2017	modifica	<input type="checkbox"/>
763323	15,000	200,000	vendita	16/11/2017	Passo Gries	PBZ1 - 16/11/2017	modifica	<input type="checkbox"/>

firma e invia

Figure 84: signing and submitting two offers/bids.

After the sending of transactions, you can monitor the results of the transactions by clicking the "Load FA" button, as shown in Figure 85. When the Functional Acknowledgment is available, you will see a link that lets you download the xml file locally. You can still review the outcome of the transaction at any time, via the [messages list](#) page.



Figure 85: loading the FA

Now, reloading the page and selecting the previously selected offer point for the submission of bids/offers, you can view the bids/offers already submitted in the offer/bid vector (Figure 86). For these offers/bids, the system also shows the first field (offer/bid ID) completed with the unique identifier characterising each offer/bid on the system. The overlying summary boxes are populated concurrently with the offers/bids submitted to the system.

offerte

Sessione di mercato

PBZ1 - 16/11/2017

punto d'offerta

Passo Gries

offerte presentate

2

marginale operativo €

0,000 €

marginale dell'operatore

0,000 MWh

SRGOfferType

SRGPrice

0,000 €/MWh

SRGQuantity

0,000 MWh

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
763322	10,000	100,000	acquisto	16/11/2017	modifica
763323	15,000	200,000	acquisto	16/11/2017	modifica
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci

note

firma e invia

Figure 86: already submitted bids/offers

MODIFICATION AND WITHDRAWAL OF OFFERS/BIDS

In Figure 86, it is important to note that for each element of the vector containing an already submitted offer/bid, you can perform a couple of transactions through the last drop-down menu: modification and revocation.

offerte

Sessione di mercato

PBZ1 - 16/11/2017

punto d'offerta

Passo Gries

offerte presentate

2

marginale operativo €

0,000 €

marginale dell'operatore

0,000 MWh

SRGOfferType

SRGPrice

0,000 €/MWh

SRGQuantity

0,000 MWh

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
763322	18,000	150,000	acquisto	16/11/2017	modifica
763323	25,000	250,000	acquisto	16/11/2017	modifica
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci

note

firma e invia

Figure 87: modification and withdrawal of offers/bids

In Figure 88, for example, we revoke the first offer/bid and modify the volume of the second offer/bid. Then we proceed with the submission. The summary box that needs to be digitally signed reports the two operations separately. The offer/bid ID field is also populated.

Sta per essere inviata un'offerta con questi dati:

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	punto d'offerta	Sessione di mercato	operazione	Offerte predefinite
763322	10,000	100,000	acquisto	16/11/2017	Passo Gries	PBZ1 - 16/11/2017	modifica	<input type="checkbox"/>
763323	15,000	200,000	acquisto	16/11/2017	Passo Gries	PBZ1 - 16/11/2017	modifica	<input type="checkbox"/>

firma e invia

Figure 88: confirmation of modification and revocation

SENDING OTHER OFFERS/BIDS

If the offers/bids vector contains already offers/bids, you can send additional offers/bids, without modifying the existing ones. This ensures that the existing offers/bids do not lose their time priority.

offerte

Sessione di mercato: PBZ1 - 16/11/2017

punto d'offerta: Passo Gries

offerte presentate: 2

marginale operativo €: 0,000 €

marginale dell'operatore: 0,000 MWh

SRGOfferType

SRGPrice: 0,000 €/MWh

SRGQuantity: 0,000 MWh

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
763322	10,000	100,000	acquisto	16/11/2017	modifica
763323	15,000	200,000	acquisto	16/11/2017	modifica
new	14	250	acquisto	16/11/2017	Inserisci
new	13	150	acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci
new			acquisto	16/11/2017	Inserisci

note

firma e invia

Figure 89: sending other offers/bids

LIST OF OFFERS/BIDS

The [list of offers/bids](#) page shown in Figure 90 shows the selected participant's bids/offers.

Selezionare un operatore: MyOp1

operazione: tutti data inizio: 15/01/2017 data fine: 16/11/2017

tipo operazione: tutti codice utente: Puntti d'offerta: tutti

nome prodot	cod. punto d	q.tà MWh/g	Quantità scambiata MWh/g	q.tà rifiutata MWh/g	tipo	prezzo €	pr.acc.	contro	data	op.	stato	utente	id offe	refere	note	predO
LOC-PROD	35718200	24,000	0,000	0,000	acquist	10,000		240,000	16/11/2	MyOp1	sottome emanu	75235	16/11/			
LOC-PROD	35718200	20,000	20,000	4,000	venditi	1,000	50,000	24,000	04/11/2	MyOp1	abbinati emanu	75233	04/11/	REDUC		
LOC-PROD	35718200	24,000	0,000	0,000	acquist	10,000		240,000	04/11/2	MyOp1	sottome emanu	75233	04/11/			
LOC-PROD	35718200	24,000	0,000	0,000	acquist	1,000		24,000	04/11/2	MyOp1	sottome emanu	75233	04/11/			
LOC-PROD	35718200	24,000	24,000	0,000	acquist	10,000	10,000	240,000	04/11/2	MyOp1	abbinati emanu	75232	04/11/			
LOC-PROD	35718200	12,000	12,000	0,000	acquist	50,000	10,000	600,000	03/11/2	MyOp1	abbinati emanu	75232	03/11/			
LOC-PROD	35718200	24,000	24,000	0,000	acquist	10,000	10,000	240,000	03/11/2	MyOp1	abbinati emanu	75232	03/11/			

Pagina: 1 - N° totale pagine: 1 Righe per pagina: 200 Righe da 1 a 7 - N° di righe totali: 7

Figure 90: list of offers/bids

Details are provided such as: offer point, volume, volume traded (field completed only after the running of the market), volume rejected due exceedance of sale limits (field completed only after the running of the market), type of offer/bid (sale or purchase), submitted price, accepted price (field completed only after the running of the market), value of the offer/bid, flow date of the session, offer/bid status, user that sent the offer/bid, offer/bid ID, and any notes.

MARKET SESSIONS PAGE

Clicking the MPL sessions, you open the page that shows the market sessions of the current day and of the previous three days (Figure 91). The information displayed covers the flow date of the session, the dates of opening and closing of the session, the status of the session, the aggregate results (including the SRG offer/bid), and finally the ⓘ button through which you may view the net positions, distinguished by participant and by offer point. However, from the first cell of the “date” column you may select any session or range of past sessions by flow date.



Figure 91: sessions list

DEPOSIT MANAGEMENT

The [gestione depositi](#) (deposit management) page allows users to view but not modify the status of financial guarantees relating to the forward gas market (MT) in relation to the participants that they represent.

The first report contains information such as the code and the registered name of the participant, the initial amount of the deposits and the last paid date.


By clicking  you may view the underlying report, which provides the details of the deposits and of the credit/debit adjustments.




Figure 92: deposit management

By checking the **visualizza garanzie chiuse** (show closed guarantees) box, you may view possible closed deposits and credit/debit adjustments.

SUMMARY OF MP GUARANTEES

On the [sommario garanzie](#) (summary of guarantees) page, you may view but not modify the status of the financial guarantees of the participants that the user represents (Figure 93). For each participant, the page shows the code, the registered name, and

- in the section “[Sommario garanzie MP](#)” (Summary of MP Guarantees), the initial guarantee (the amount of valid guarantees registered on the Netting platform, reduced by the Maintenance Margin of 3%); Guarantee Capacity (the difference between Initial Guarantee and Exposure); the Exposure (the exposure determined by all the positions held on all the platforms whose guarantee pertains to the Netting);
- in the section “[Dettaglio Garanzie](#)” (Guarantees Detail), all the deposits and bank guarantees relating to the centralised Netting guarantee system and the credit and debit adjustments of the MP spot gas market;
- in the section “[Esposizione per data di settlement](#)” (Exposure by Settlement Date), all exposures divided by settlement date, determined by all the positions held on all the platforms whose guarantee pertains to the Netting, and the valid credits of the MP spot gas market only.



op.	ragione sociale	garanzia prestata	esposizione	
MyOperator	MyOperator	10000,000	0	dettagli
MyOperator2	MyOperator2	1000000,000	-16287,000	dettagli
MyOperator3	MyOperator3	1000000,000	-9150,000	dettagli
MyOperator4	MyOperator4	10000,000	-1586,000	dettagli
MyOperator5	MyOperator5	1000000,000	-2806,000	dettagli
MyOperator6	MyOperator6	1000000,000	0	dettagli
MyOperator7	MyOperator7	1000000,000	-18034,278	dettagli
MyOperator8	MyOperator8	1000000,000	-15456,278	dettagli
MyOperator9	MyOperator9	1000000,000	-166042,991	dettagli
MyOperator10	MyOperator10	1000000,000	-976,000	dettagli
MyOperator11	MyOperator11	1000000,000	-976,000	dettagli
MyOperator12	MyOperator12	10000,000	0	dettagli
MyOperator13	MyOperator13	10000000,000	0	dettagli

Figure 93: summary of guarantees

By clicking on **details**, you may view a pop-up containing the details of the financial guarantee formulas, in which all items and the relative amount can be identified (Figure 94).

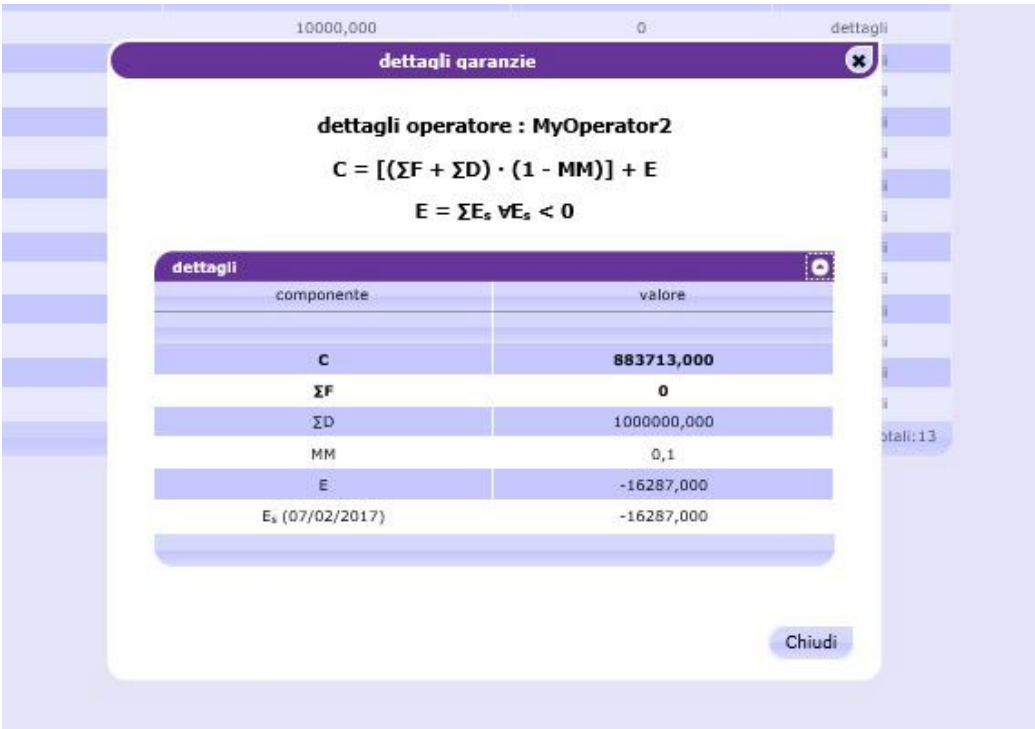


Figure 94: details of the financial guarantee

UPLOADING XML FILES

Through the [upload](#) page, the user can directly upload the xml file for submission/modification of bids/offers or for changing bids/offers (Figure 95).

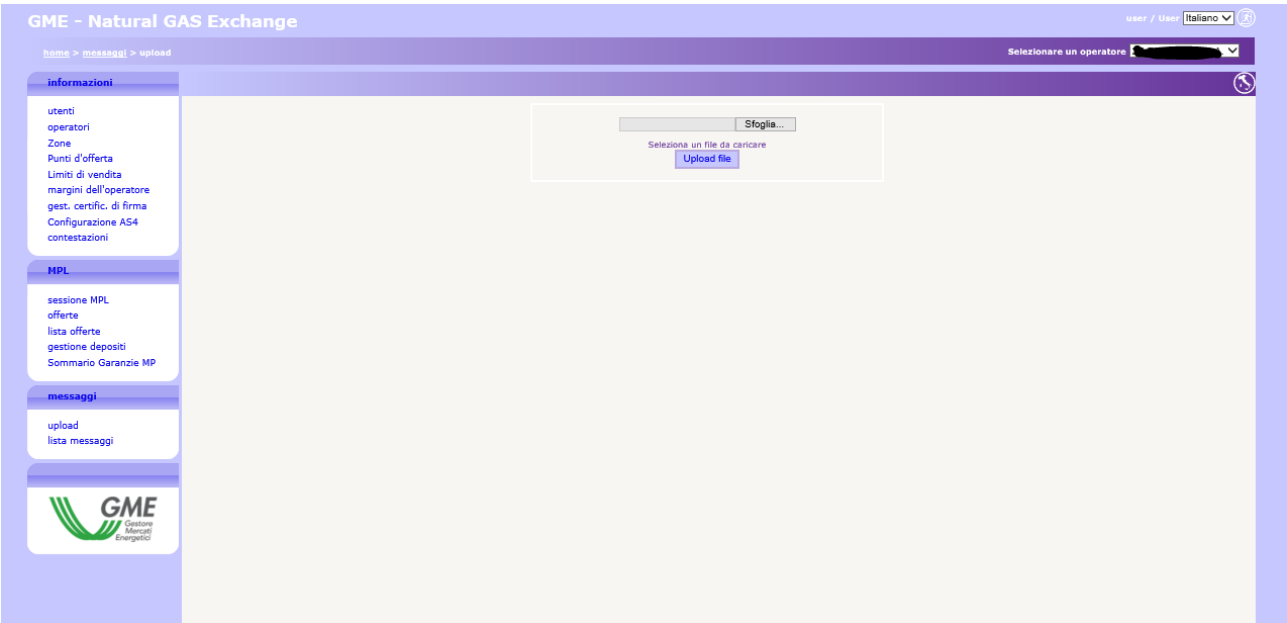


Figure 95: uploading xml files

The user must prepare the xml file with an appropriate editor and then arrange the upload by selecting the file, by signing the content and proceeding with the submission of the transaction.

MESSAGES LIST

Any action submitted by the user to the MPL system through the web pages described above takes the form of an XML file, stored in the database and then processed by the platform. Every action filed on the system generates a result (called **Functional Acknowledgment, FA**), also in the form of XML files, whatever the outcome of the action accomplished.

The list of xml transactions submitted, and the relevant result are displayed in the [messages list](#).

id msg	id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	timestamp	Transazione	elab. time
581922	1452320	Visualizza	DisputeMessages	OUT	00041	user	DisputeMessages.xml	20/12/2019 03:30:19	1 \ 1	00.00
	1451462	Visualizza	ZonaIMR	OUT	00041		ZonaIMR_1b7726d7cd24aa7	18/12/2019 09:58:39		
	1458010	Visualizza	MBBN	OUT	00041		MBBN_98fc5cae4ff74aa6a1b	28/11/2019 03:01:55		
	1458023	Visualizza	ZonaIMR	OUT	00041		ZonaIMR_49da268cad5485e	28/11/2019 03:01:55		
578657	1458003	Visualizza	Offers	OUT	00041	emanuele.matter	Offers.xml	28/11/2019 02:59:37	1 \ 1	00.01
576344	1454515	Visualizza	Offers	OUT	00041	emanuele.matter	Offers.xml	08/11/2019 02:09:02	0 \ 1	00.00
579907	1453871	Visualizza	Offers	OUT	00041	emanuele.matter	Offers.xml	31/10/2019 11:52:50	1 \ 1	00.11

Figure 96: messages list

The page is organised as follows: the first column displays the unique ID attributed to the xml input message, produced by user interaction with the portal pages. Clicking the number representing the ID, you can download the XML file showing all the input parameters that have originated the transaction.

The second column, in the same way, returns the ID of file with the outcome of the transaction. By clicking the number, you can download the FA, in xml format. The third column shows the link to the content digitally signed, or the piece of HTML code that represents the preview of every action, submitted immediately before the action.

Then, you may view the message subject and especially the status of the message that can be as follows:

- **IN:** message submitted and stored but not yet processed.
- **ERR:** message incorrectly composed or with incorrect content.
- **RUN:** message being processed.
- **OUT:** message processed (unsuccessfully or successfully).

The remaining columns show information such as the user and the participant who submitted the transaction, the xml file name, the date and time of submission, the number of transactions processed successfully, and the processing time, in minutes and seconds.

Among the page filters, there is a checkbox called **mark** (Figure 97). If selected, it causes the system to mark the outcome file as downloaded. This action has an impact on the download of files via the web service, because the system will ignore the already downloaded files, returning only those that have not yet been examined by the user. Downloading from the interface an XML file with the **mark** checkbox selected will result into failure to download the same file through the web service.

data inizio : 21/10/2013 data fine : 23/10/2013 Mark: <input type="checkbox"/>										
lista messaggi										
Id messaggio ↑	Id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	Timestamp	Transazione	ela
				Select Message ↕				21/10/2013 - 23/10		
1582		MBBN		OUT	44453254		MBBN_ec74abb8ea1d4652	22/10/2013 02.19.33		

Figure 97: messages list filters

We have seen how every action (xml input transaction) corresponds to an xml outcome file (FA). The [messages list](#) displays also outcome files other than the FAs, which do not correspond to any input file. Figure 96, first line, shows a **Bid Notification (BN)** that reports the outcome of the matching of an offer/bid submitted by the participant.

Another type of outcome file is the **Zonal Market Result**, which shows the aggregate results for each zone supported by the market.

FEATURES OF THE MAST PORTAL

This section describes the features offered by the MAST portal. First, the user must be entitled to the portal.

THE HOMEPAGE

Figure 98 shows the main page of the portal, with the numbers of its four main sections, which are always available, whatever the page opened by the user.

USER DETAILS AND LOGOUT

Section (1) shows the name of the authenticated user and his/her role (**user, viewer**). Next to it there is a drop-down menu that allows you to choose the language of the content of the portal. The content of the pages will be translated into the selected language. In addition to the translation of the textual parts, the change of language also entails displaying the date in Italian (it-IT) or English (en-US) format and the decimal separator for figures: the comma (",") for Italian and the point (".") for English.


By clicking on the icon  on the right you can leave the portal, closing the session. At this point, the user must authenticate himself/herself again to access the portal.



Figure 98: main page of the portal

ENTITLED PARTICIPANTS

Section (2) shows a drop-down menu containing all the participants entitled to operate on the MAST under the responsibility of the current user. The operations that the user carries out on the portal, such as the submission of bids/offers, are associated with the operator selected in that menu.

MENU

In section (3) there is a menu containing the link to all the pages that the user can reach. There is an **information** section where all the pages containing information useful to users are grouped. The MAST section contains the pages for submitting and monitoring bids/offers and the results of the market sessions, and the read-only pages that display the management of deposits and the summary of participants' guarantees.

Finally, the **messages** section contains the pages for uploading the xml files and the list of input and output messages pertaining to the participants associated with the user.

MAIN CONTENT

The last section (4) shows the content of the pages. The homepage, namely the page shown in Figure 98, is the page that contains communications to participants.

FILTERS AND REPORTS

Before analysing the pages of the portal, it is necessary to illustrate a feature common to all the pages showing a report.

Figure 99: filters and Excel reports

Each page with reports has a filter section that does not usually appear when opening the page. To display it, you need to click on the icon of the group at the top right. Conversely, to hide it, you must click on the icon instead. Here you can see the section of filters where, in general, it is possible to insert values that aim to limit the number of results provided by the report below. To reload the report considering the appropriate filters, click on . Finally, you can export the report in Excel format by clicking on . After clicking, the page asks to save the report in Excel format, reporting all the results, without obviously paging them, as it happens on the web page.

USERS' PAGE

The users' page shows the list of participants entitled to operate on the MAST. The page is read-only and contains only the information regarding the registered name and the code of the participant.

codice utente	nome	cognome	Descrizione	tel.	email	certificato	cert. di firma	operatori	abili	refresh
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			ACT	ACT	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10
[redacted]	[redacted]	[redacted]	User			infocert auth AC	infocert sign AC	2B ENERGIA S.P.A.	<input checked="" type="checkbox"/>	10

Figure 100: list of users associated with the participant

PARTICIPANTS' PAGE

The participants' page shows the list of participants entitled to operate on the MAST. The page is read-only and contains only the information regarding the registered name and the code of the participant.

operatori			
ragione soc. ↑	cod. operatore	abilitato	conti
Royalties EDISON SPA	r00008	<input checked="" type="checkbox"/>	conto corrispettivi MGAS: V1(0,00) Conto Attivo GME MGAS: V1(0,00) Conto Passivo GME MGAS: A1(0,00) conto corrispettivi MB: V1(0,00) Conto Attivo GME MB: 00(0,00) Conto Passivo GME MB: 00(0,00) conto corrispettivi P-GAS: V1(0,00)
Royalties ENI S.P.A.	r00018	<input checked="" type="checkbox"/>	conto corrispettivi MGAS: V1(0,00) Conto Attivo GME MGAS: V1(0,00) Conto Passivo GME MGAS: A1(0,00) conto corrispettivi MB: V1(0,00) Conto Attivo GME MB: 00(0,00) Conto Passivo GME MB: 00(0,00) conto corrispettivi P-GAS: V1(0,00)
Royalties SHELL ITALIA E&P SPA	r50035	<input checked="" type="checkbox"/>	conto corrispettivi MGAS: V1(0,00) Conto Attivo GME MGAS: V1(0,00) Conto Passivo GME MGAS: A1(0,00) conto corrispettivi MB: V1(0,00) Conto Attivo GME MB: 00(0,00) Conto Passivo GME MB: 00(0,00) conto corrispettivi P-GAS: V1(0,00) Conto corrispettivi PBZ: V1(0,00) Conto attivo PBZ: 00(0,00) Conto passivo PBZ: 00(0,00)
Royalties SOCIETA' ADRIATICA IDROCARBURI	r50010	<input checked="" type="checkbox"/>	conto corrispettivi MGAS: V1(0,00) Conto Attivo GME MGAS: 00(0,00) Conto Passivo GME MGAS: 00(0,00) conto corrispettivi MB: V1(0,00) Conto Attivo GME MB: 00(0,00) Conto Passivo GME MB: 00(0,00) conto corrispettivi P-GAS: V1(0,00) Conto corrispettivi PBZ: V1(0,00) Conto attivo PBZ: 00(0,00) Conto passivo PBZ: 00(0,00)

Figure 101: list of participants entitled to the platform

ADDING A NEW SIGNATURE CERTIFICATE

Through the signature management link, you can access the page that offers users the possibility to manage their signature certificate. If the user fails to have a signature certificate, the page looks like in Figure 102; the **Add** link allows the user to add a certificate.

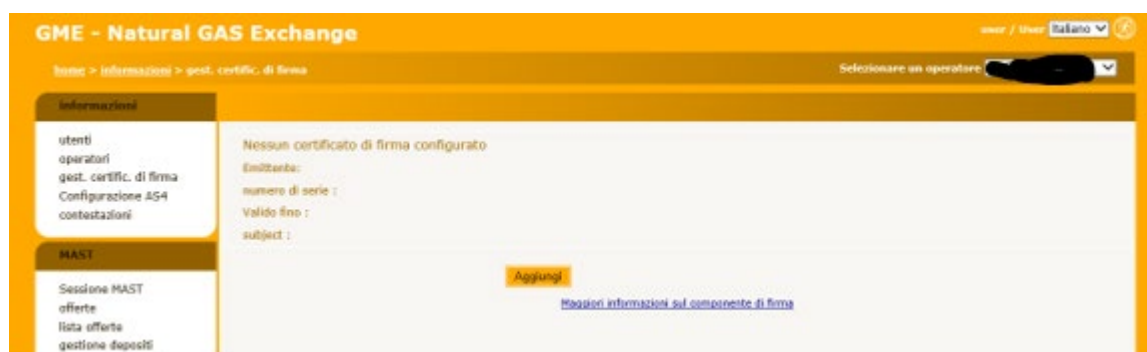


Figure 102: the user has no signature certificate. The page allows you to add one

By clicking on the **Add** link, you can choose, among the certificates installed on the user's computer, the one that you wish to use to sign the transactions being uploaded to the system, as shown in Figure 102.

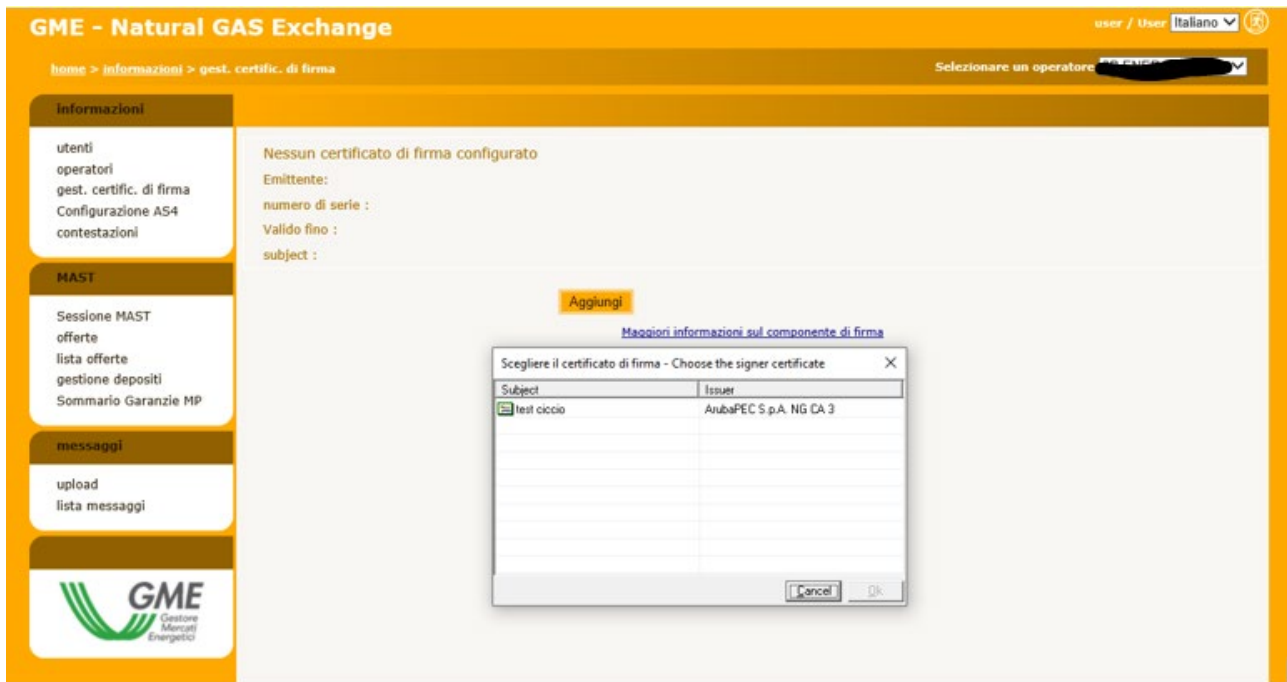


Figure 104: insertion of a new certificate

Once the certificate has been selected, its details are shown on the page. At this point, the user must confirm the insertion of the certificate by clicking on the **Save** link.

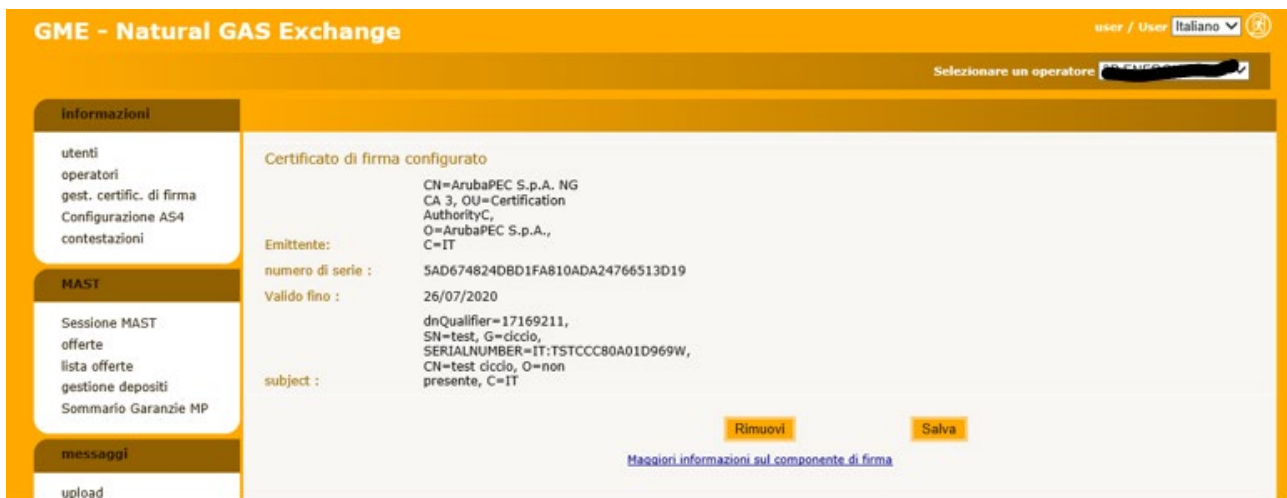


Figure 104: details of the certificate being inserted

Once the certificate has been inserted, before it can be used in transactions, it must be authorised by the portal administrator.

COMPLAINTS

- Figure 105 shows the page of complaints through which you can monitor the progress of complaints. Any complaint can be inserted and then updated by associating new messages with it. You can see the list of all the complaints made by the participant, in particular: the title of the complaint, its status, the code of the company (participant) to which the complaint relates, the user who submitted the complaint, the timestamp indicating the time of submission, and then a link relating to the messages associated with the selected complaint.

- Possibility to add a new message to the already open complaint.



Figure 105: complaints page

By using the icon  you can then open the window to add a complaint, as shown in Figure 106.

Figure 106: page for inserting complaints

MAST SESSION

By clicking on the MAST session, you open the page showing the market sessions of the current day and the previous three days (Figure 107). The information displayed concerns the session flow date, the session opening and closing dates, the session status, the aggregated results (including the SRG TSO bid/offer), and finally the button that allows you to view the net positions separated by operator and by offer point. From the first cell of the "flow date" column, however, you can select any session or range of past sessions by flow date.

id sessione	nome	data inizio	apertura	chiusura	stato	risultato	dettagli
18081	SESSION MGP 28/11/2019 10:20	30/11/2019	28/11/2019 08:00	29/11/2019 13:30	APERTA		
18082	SESSION MI 28/11/2019 11:17	29/11/2019	28/11/2019 08:00	29/11/2019 13:30	TERM		
18077	SESSION MGP 28/11/2019 13:30	29/11/2019	27/11/2019 08:00	28/11/2019 13:30	TERM		
18078	SESSION MI 28/11/2019 13:30	28/11/2019	27/11/2019 08:00	28/11/2019 13:30	TERM		
18073	SESSION MGP 26/11/2019 11:59	28/11/2019	26/11/2019 08:00	26/11/2019 11:59	TERM		
18074	SESSION MI 26/11/2019 11:59	27/11/2019	26/11/2019 08:00	27/11/2019 13:30	TERM		
18064	SESSION MGP 25/11/2019 12:55	27/11/2019	25/11/2019 08:00	25/11/2019 15:00	TERM		
18065	SESSION MI 25/11/2019 13:17	26/11/2019	25/11/2019 08:00	25/11/2019 15:00	TERM		

Figure 107: MAST session page

SUBMITTING BIDS/OFFERS

The bids/offers page allows you to manage bids/offers for a specific market session, i.e. sending, changing, and revoking. The page looks like Figure 108.

On analysing the page, we notice, at the top, a drop-down menu with the list of sessions open to the submission of bids/offers. Once the session has been selected, you can send (and generally manage) the specific bids/offers of that session through the vector of the maximum number of allowed bids/offers that can be filled in by the user.

The bids/offers will be considered as valid during the execution phase only if their sign is opposite to the sign of the net balance of bids/offers submitted by SRG TSO.

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci

Figure 108: page for submitting bids/offers

SUBMITTING ONE OR MORE BIDS/OFFERS

Figure 109 shows an example of sending of two offers/bids: a supply offer and a demand bid. To send, you must previously select an offer point and fill in the fields related to the price and volume (expressed in MW).

The screenshot shows the 'GME - Natural GAS Exchange' web application. The top navigation bar includes 'user / user Italiano' and a 'Selezionare un operatore' dropdown. The left sidebar contains links for 'informazioni', 'utenti', 'operatori', 'gest. certific. di firma', 'Configurazione AS4', 'contestazioni', 'MAST', 'Sessione MAST', 'offerte', 'lista offerte', 'gestione depositi', 'Sommario Garanzie MP', 'messaggi', 'upload', and 'lista messaggi'. The main content area is titled 'offerte' and shows 'offerte presentate: 0'. Below this is a table for submitting offers with the following columns: 'id offerta', 'Prezzo (€/MWh)', 'Quantity (MW)', 'tipo di offerta', 'reference', and 'operazione'. There are two rows of input fields for new offers. A 'firma e invia' button is located at the bottom right of the table area.

Figure 109: submission of one or more bids/offers

Pressing "sign and send", you proceed with the phase of the transaction signature (Figure 110). The system shows all the details that characterise the offer/bid and the operation performed (in this case "enter"); then you will see other possible operations.

The screenshot shows the 'GME - Natural GAS Exchange' web application after clicking 'firma e invia'. The main content area displays a table titled 'Siti per essere inviata un'offerta con questi dati:'. The table has the following columns: 'id offerta', 'Prezzo (€/MWh)', 'Quantity (MW)', 'tipo di offerta', 'reference', 'Sessione di mercato', 'operazione', and 'Offerta predefinita'. There are two rows of data. A 'firma e invia' button is located at the bottom center of the table area.

Figure 110: signing and submitting two bids/offers

After the sending of transactions, you can monitor the results of the transactions by clicking the "Load FA" button, as shown in Figure 111. When the Functional Acknowledgment is available, you will see a link that lets you download the xml file locally. You can view the outcome of the transaction at any time, via the messages list page.



Figure111: loading the FA

Now, reloading the page and selecting the previously selected offer point for the submission of bids/offers, you can view the bids/offers already submitted in the offer/bid vector (Figure 112). For these offers/bids, the system populates the first field (offer/bid ID) with the unique identifier characterising each offer/bid on the system. The overlying summary boxes are populated concurrently with the offers/bids submitted to the system.

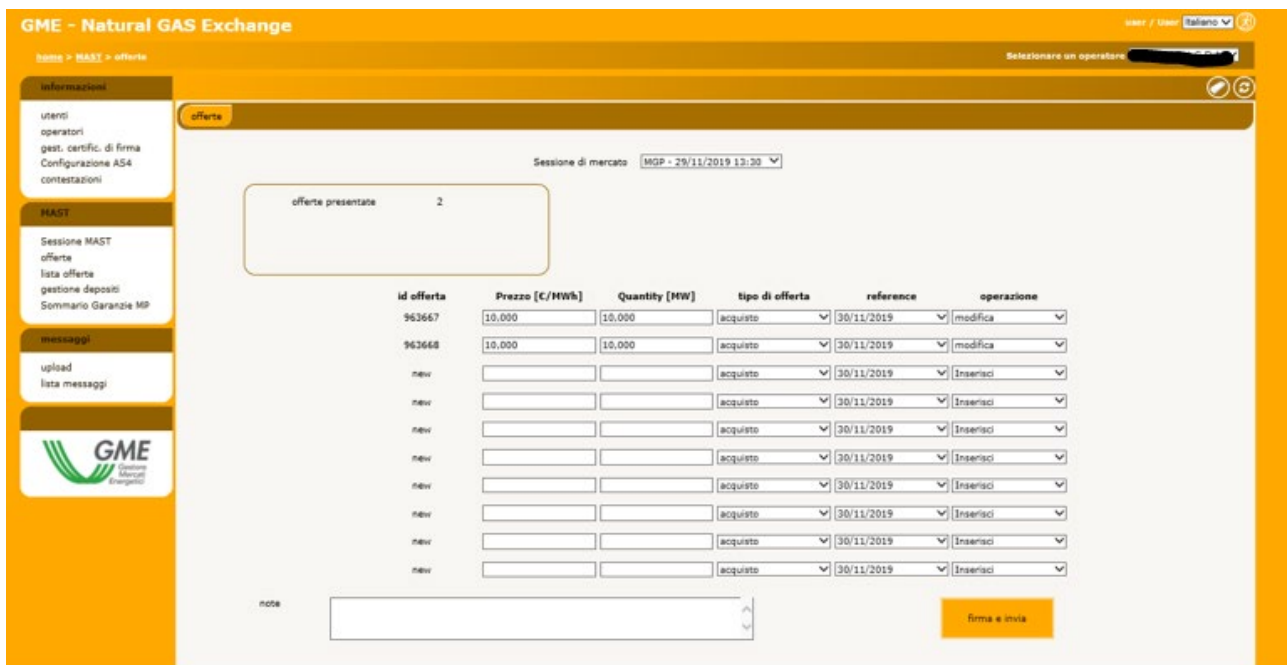


Figure 112: bids/offers already submitted

MODIFICATION AND REVOCATION OF BIDS/OFFERS

In Figure 113 it is important to note that for each element of the vector containing a bid/offer already submitted, you can carry out a couple of operations, through the last drop-down menu: modification and revocation.

GME - Natural GAS Exchange

Home / MAST / offerta

Selezionare un operatore

Sessione di mercato: MGP - 29/11/2019 13:30

offerte presentate: 2

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
963667	20.000	20.000	acquisto	30/11/2019	modifica
963668	10.000	10.000	acquisto	30/11/2019	revoca
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci

note

firma e invia

Figure 113: modification and revocation of bids/offers

In Figure 114, as an example, we revoke the first bid/offer and change the volume of the second bid/offer (expressed in MW). We then proceed with the sending. The summary box that must be digitally signed shows the two operations separately. The offer id field is also populated.

GME - Natural GAS Exchange

Home / MAST / offerta

Selezionare un operatore

Sessione di mercato: MGP - 29/11/2019 13:30

Offerta predefinita

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	Sessione di mercato	operazione	Offerta predefinita
963667	20.000	20.000	acquisto	30/11/2019	MGP - 29/11/2019 13:30	modifica	<input type="checkbox"/>
963668	10.000	10.000	acquisto	30/11/2019	MGP - 29/11/2019 13:30	revoca	<input type="checkbox"/>

firma e invia

Figure 114: confirmation of modification and revocation

SUBMITTING OTHER BIDS/OFFERS

If there are already bids/offers in the bid/offer vector, you can submit additional bids/offers without changing existing ones. This ensures that pre-existing bids/offers do not lose their time priority.

GME - Natural GAS Exchange

home > MAST > offerte

Selezionare un operatore: [dropdown]

Sessione di mercato: MGP - 29/11/2019 12:30

offerte presentate: 1

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	reference	operazione
963667	20,000	20,000	acquisto	30/11/2019	modifica
new	5	5	acquisto	30/11/2019	Inserisci
new	4	4	acquisto	30/11/2019	Inserisci
new	3	3	acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci
new			acquisto	30/11/2019	Inserisci

note: [text area]

firma e invia

Figure 115: submitting other bids/offers

LIST OF BIDS/OFFERS

The bids/offers list shown in Figure 116 shows the bids/offers for the selected participant.

GME - Natural GAS Exchange

home > MAST > lista offerte

Selezionare un operatore: [dropdown]

lista offerte

q.tà MWh/g	Quantità scambi	q.tà rifiutata MWh/g	tipo	prezzo €	pr. acc.	contron	data	op.	stato	utenb	id off	refere	note	predc
72,000	0,000	0,000	acquisto	3,000		216,000	30/11/2019 00:00:00	00041	sottomi	user	96367	30/11		
96,000	0,000	0,000	acquisto	4,000		384,000	30/11/2019 00:00:00	00041	sottomi	user	96367	30/11		
120,000	0,000	0,000	acquisto	5,000		600,000	30/11/2019 00:00:00	00041	sottomi	user	96366	30/11		
240,000	0,000	0,000	acquisto	10,000		2400,000	30/11/2019 00:00:00	00041	revocat	user	96366	30/11		
480,000	0,000	0,000	acquisto	20,000		9600,000	30/11/2019 00:00:00	00041	sottomi	user	96366	30/11		
240,000	0,000	0,000	vendita	10,000		2400,000	30/11/2019 00:00:00	00041	revocat	user	96366	30/11		
480,000	0,000	0,000	acquisto	10,000		4800,000	30/11/2019 00:00:00	00041	revocat	user	96366	30/11		
480,000	0,000	0,000	acquisto	20,000		9600,000	30/11/2019 00:00:00	00041	revocat	user	96366	30/11		
240,000	0,000	0,000	acquisto	10,000		2400,000	30/11/2019 00:00:00	00041	revocat	user	96366	30/11		

Pagina: 1 - N° totale pagine: 1 - 110 Righe per pagina

Righe da 1 a 9 - N° di righe totali: 9

Figure 116: list of bids/offers

Details are provided such as: the volume (expressed in MWh/day), the volume traded (field populated only after market execution and always expressed in MWh/day), the volume rejected due to exceedance of sale limits (field populated only after market execution and always expressed in MWh/day), the type of bid/offer (sale or purchase),


the submitted price, the accepted price (field populated only after market execution), the value of the bid/offer, the creation date of the bid/offer, the status of the bid/offer, the user who sent it, the bid/offer id, and any notes.

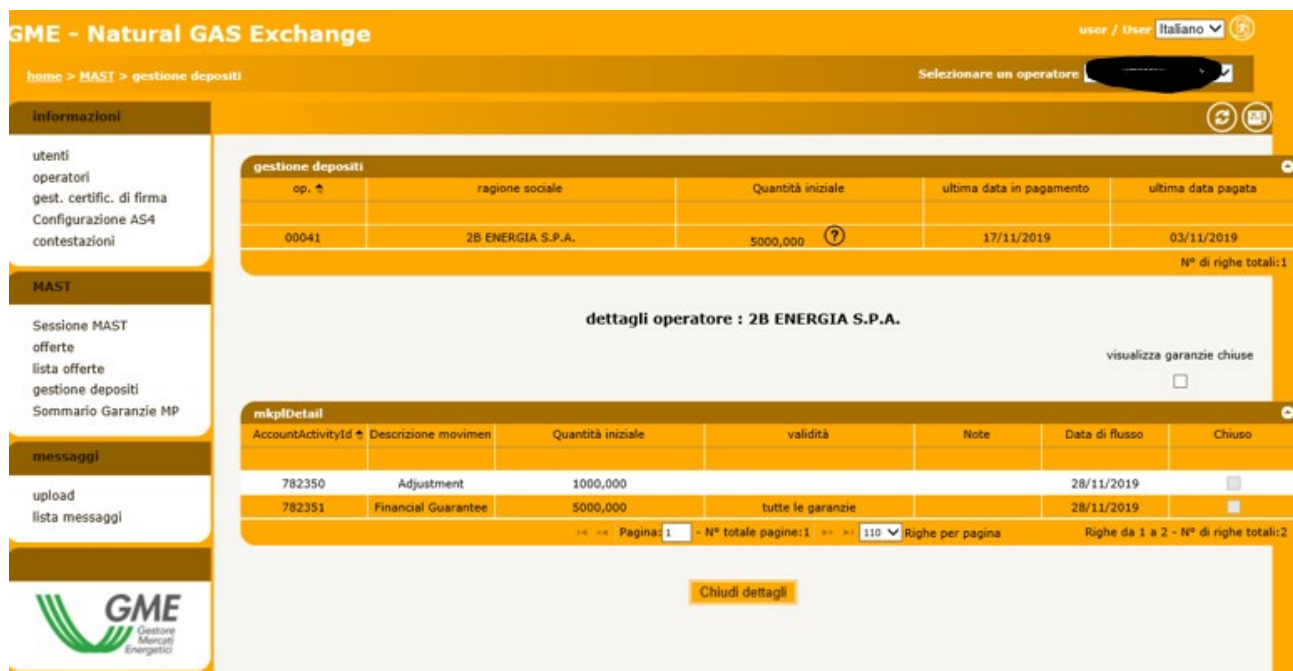
Regarding the net positions, you will only see those of the participants falling under the responsibility of the user currently authenticated on the system.

DEPOSIT MANAGEMENT

On the [gestione depositi](#) (deposit management) page, you may view the situation of the financial guarantees relating to the forward gas market (MT) for the participants that you represent.

The first report shows data such as the code and registered name of the participant, the initial amount of the deposits, and the last paid date.

By clicking on  you will open the underlying report, with details about the deposits and the credit/debit adjustments.



GME - Natural GAS Exchange

user / User Italiano

home > MAST > gestione depositi

Selezionare un operatore

Informazioni

- utenti
- operatori
- gest. certific. di firma
- Configurazione AS4
- contestazioni

MAST

- Sessione MAST
- offerte
- lista offerte
- gestione depositi
- Sommario Garanzie MP

messaggi

- upload
- lista messaggi

GME Gestione Mercati Energetici

gestione depositi

op. #	ragione sociale	Quantità iniziale	ultima data in pagamento	ultima data pagata
00041	2B ENERGIA S.P.A.	5000,000	17/11/2019	03/11/2019

N° di righe totali:1

dettagli operatore : 2B ENERGIA S.P.A.

visualizza garanzie chiuse ☐

mkpDetail

AccountActivityId	Descrizione movimen	Quantità iniziale	validità	Note	Data di flusso	Chiuso
782350	Adjustment	1000,000			28/11/2019	<input type="checkbox"/>
782351	Financial Guarantee	5000,000	tutte le garanzie		28/11/2019	<input type="checkbox"/>

Pagina: 1 - N° totale pagine:1 - 110 Righe per pagina

Righe da 1 a 2 - N° di righe totali:2

Chiudi dettagli

Figure 117: deposit management

By checking the [visualizza garanzie chiuse](#) (show closed guarantees) box, you may view possible closed financial guarantees and credit/debit adjustments.

SUMMARY OF MP GUARANTEES

The [sommario garanzie](#) (summary of guarantees) page allows you to view but not modify the status of the financial guarantees relating to the spot gas market (MP) of the participants that you represent (Figure 118). For each participant selected from the drop-down menu there are:

- in the section “[Sommario garanzie MP](#)” (Summary of MP Guarantees) the initial guarantee (the amount of valid guarantees registered on the Netting platform, reduced by the Maintenance Margin of 3%); Guarantee

Capacity (the difference between Initial Guarantee and Exposure); the Exposure (the exposure determined by all the positions held on all the platforms whose guarantee pertains to the Netting);

- in the section “Dettaglio Garanzie” (Guarantees Detail) all the deposits and bank guarantees relating to the centralised Netting guarantee system and the credit and debit adjustments of the MP spot gas market;
- in the section “Esposizione per data di settlement” (Exposure by Settlement Date), all exposures divided by settlement date, determined by all the positions held on all the platforms whose guarantee pertains to the Netting, and the valid credits of the MP spot gas market only.

The screenshot shows the GME - Natural GAS Exchange interface. The top navigation bar includes 'home > MAST > Sommario Garanzie MP'. The left sidebar contains links for 'informazioni', 'utenti', 'operatori', 'gest. certific. di firma', 'Configurazione AS4', 'contestazioni', 'MAST', 'Sessione MAST', 'offerte', 'lista offerte', 'gestione depositi', 'Sommario Garanzie MP', 'messaggi', 'upload', and 'lista messaggi'. The main content area displays the 'Sommario Garanzie MP' table, followed by the 'Dettaglio Garanzie' table, and the 'Esposizione per data di Settlement' table.

Sommario Garanzie MP				
Descrizione		Valore		
Garanzia Iniziale		10.670.000		
Capienza Garanzia		10.670.000		
Esposizione		0		
Sommario Garanzie al 28/11/2019 14:30:16				

Dettaglio Garanzie				
Tipo	Inizio Validità	Fine Validità	Importo	Importo Residuo
Deposito	01/01/0001	31/12/9999	970.000	970.000
Deposito	01/01/0001	31/12/9999	9.700.000	9.700.000
Credito	18/11/2019	01/12/2019	1.000	1.000
Dettaglio Garanzie al 28/11/2019 14:30:16				

Esposizione per data di Settlement		
Data di Settlement	Esposizione	
03/12/2019	1.000	dettagli
Esposizione per Data di Settlement al 28/11/2019 14:30:16		

Figure 118: summary of guarantees

By clicking on **details**, you may view a pop-up containing the details of the financial guarantee formulas, in which all items and the relative amount can be identified (Figure 119).

Data di flusso	Esposizione
28/11/2019	1.000

Figure 119: details of the financial guarantee

UPLOADING THE XML FILES

Through the [upload](#) page, the user can directly upload the xml file for submission/modification of bids/offers or for changing the status of bids/offers (Figure 120).

Figure 120: upload of xml file.

The user must prepare the xml file with an appropriate editor and then arrange the upload by selecting the file, signing its content, and proceeding with the submission of the transaction.

MESSAGES LIST

Any action submitted by the user to the MPL system through the web pages described above takes the form of an XML file, stored in the database and then processed by the platform. Every action filed on the system generates a result (called **Functional Acknowledgment, FA**), also in the form of XML files, whatever the outcome of the action accomplished.

The list of xml transactions submitted, and the relevant result are displayed in the [messages list](#).

id msg	Id messaggio	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	timestamp	Transazioni	elaborazione tempo
	1457996		MBBN	OUT	00041		MBBN_b41380d4e3	28/11/2019 02:5		
578645	1457987	Visualizza	Offers	OUT	00041	user	Offers.xml	28/11/2019 02:5	4 \ 4	00.00
578644	1457986	Visualizza	OffersChangeStatus	OUT	00041	user	Offers.xml	28/11/2019 02:5	1 \ 1	00.01
578643	1457985	Visualizza	Offers	OUT	00041	user	Offers.xml	28/11/2019 02:5	1 \ 1	00.01
578642	1457984	Visualizza	Offers	OUT	00041	user	Offers.xml	28/11/2019 02:5	2 \ 2	00.01
578641	1457983	Visualizza	OffersChangeStatus	OUT	00041	user	Offers.xml	28/11/2019 02:5	2 \ 2	00.03
578640	1457982	Visualizza	Offers	OUT	00041	user	Offers.xml	28/11/2019 02:5	2 \ 2	00.00
578639	1457981	Visualizza	OffersChangeStatus	OUT	00041	user	Offers.xml	28/11/2019 02:5	2 \ 2	00.03
578636	1457976	Visualizza	Offers	OUT	00041	user	Offers.xml	28/11/2019 01:5	2 \ 2	00.01
578631	1457970	Visualizza	DisputeMessages	OUT	00041	user	DisputeMessages.xr	28/11/2019 12:0	1 \ 1	00.02

<< < > >> Pagina: 1 - N° totale pagine: 1 >> >>> 200 Righe per pagina Righe da 1 a 10 - N° di righe totali: 10

Figure 121: messages list

The page is organised as follows: the first column displays the unique ID attributed to the xml input message, produced by the user interaction with the portal pages. Clicking the number representing the ID, you can download the XML file showing all the input parameters that have originated the transaction.

The second column, in the same way, returns the ID of the transaction outcome file. By clicking the number, you can download the FA, in xml format. The third column shows the link to the content digitally signed, or the piece of HTML code that represents the preview of every action, submitted immediately before the action.

Then, you may view the message subject and especially the status of the message that can be as follows:

- **IN**: message submitted and stored but not yet processed.
- **ERR**: message incorrectly composed or with incorrect content.
- **RUN**: message being processed.
- **OUT**: message processed (successfully or unsuccessfully).

The remaining columns show information such as the user and the participant who submitted the transaction, the xml file name, the date and time of submission, the number of transactions processed successfully, and the processing time, in minutes and seconds.

Among the page filters, there is a checkbox called **mark** (Figure 122). If selected, it causes the system to mark the outcome file as downloaded. This action has an impact on the download of files via the web service, because the system will ignore the already downloaded files, returning only those that have not yet been examined by the user. Downloading from the interface an XML file, with the **mark** checkbox selected, will result into failure to download the same file through the web service.

id msg	Id messaggio	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	timestamp	Transazioni	elaborazione tempo
	1457996		MBBN	OUT	00041		MBBN_b41380d4e3	28/11/2019 02:5		

Figure 122: messages list filters

We have seen how every action (xml input transaction) corresponds to an xml outcome file (FA). The [messages list](#) displays also outcome files other than the FAs, which do not correspond to any input file. Figure 121, first row, shows a **Bid Notification (BN)** that reports the outcome of the matching of an offer/bid submitted by the participant.

FEATURES OF THE SOL PORTAL

This section describes the features offered by the portal. First, the user must obtain access to the portal. After completing all the procedures specified in the applicable legislation, the user must register with the portal, following the procedure shown on page 5.

HOMEPAGE

Figure 123 shows the homepage of the portal, with the numbers of four main sections, which are always available, whatever the page opened by the user.

USER DETAILS AND LOGOUT

Section **(1)** shows the name of the authenticated user and his/her role (**user**, **viewer**). Beside it, there is a drop-down menu on which you may choose the language in which the portal content is to be displayed. The content of the pages will be translated into the selected language. In addition to the translation of the textual parts, the change of the language will involve the display of the date in the Italian format (*it-IT*) or in the English format (*en-US*), and the decimal separator for figures: a comma (",") in Italian and a point (".") for English.




By clicking on the icon  on the right, you may exit the portal, closing the session. At this stage, if you wish to access the portal, you must authenticate yourself again.



Figure 123: homepage of the portal

AUTHORISED PARTICIPANTS

Section (2) shows a drop-down menu with all the participants that are enabled to operate on the SOL and that are represented by the current user. The operations carried out by the user on the portal, e.g. submission of offers/bids, are associated with the participant selected on the above-mentioned menu.

MENU

Section (3) shows the menu with the link to all the pages that you may access. Note the **information** area, gathering all the pages with useful information for users. The **SOL** section gathers the pages for offer/bid submission, offer/bid monitoring, and market session status.

Finally, the **message** area shows the pages for uploading xml files and the list of input/output messages of the participants associated with the user.

MAIN CONTENT

The last section (4) shows the content of the pages. The homepage shown in Figure 123 contains communications to participants.

FILTERS AND REPORTS

Before examining the pages of the portal, it is worth describing a feature that is common to all the pages showing reports.

ragione soc.	cod. operatore
Royalities EDISON SPA	r00008
2B ENERGIA S.P.A.	00041
ZV ENERGY SRL	00198
AZA S.P.A.	00267
ACEA Energia SPA	00275
ACEA PINEROLESE ENERGIA SRL	50045
AGSM ENERGIA SPA	00123
AIM ENERGY S.R.L.	00045
ALPERIA ENERGY SRL	00239
Alpiq AG	00214
ASCOTRADE SPA	00235
ATS Power S.r.l.	50077
AUDAX ENERGIA SRL	00222
AUGUSTA RATIO SPA	00164
AXOPOWER SPA	00234
AXPO ITALIA SPA	00009
BANCA IMI S.p.A.	00223
BLUENERGY GROUP S.P.A.	00048
BP ENERGY EUROPE LIMITED sede secondaria	00158
BURGO ENERGIA SRL	00109
C.I.R.A. CONSORZIO UTILITIES RAVENNA S.C.R.L.	50011
CALORGAS ITALIA SRL	00273
CAMER PETROLEUM EUROPA SRL	00251

Figure 126: list of participants enabled to the platform

OFFER POINTS

The [offer points](#) page shows the offer points for which participants are enabled. For each participant selected on the drop-down menu, the system shows only the offer points for which the selected participant is enabled.

cod. punto d'offerta	description	op.	abilitato	mercati abilitati	margine superiore
sestri_1	Sestri P 1	00041	<input checked="" type="checkbox"/>	SOL - abilitato - [01/01/2025 - 01/01/2050]	120,0000000
sestri_2	Sestri P 2	00041	<input checked="" type="checkbox"/>	SOL - abilitato - [01/01/2025 - 01/01/2050]	120,0000000

Figure 127: offer points page

The columns that are displayed are as follows: code of offer point, description, reference participant, enablement, enabled markets, upper margin.

PARTICIPANT'S MARGINS

The [participant's margins report](#) shows, for all the participants associated with the user, the **margin massimo a salire** (maximum step-up margins or upper margins, i.e. for sale). These margins are notified by SNAM Rete Gas and expressed in MWh. The timestamp column shows the day and time when the system received the information about the margins related to the offer point.

op.	punto d'offerta	data	margine superiore [MWh]	timestamp
00041	sestri_1	03/04/2025	120,000	31/03/2025 10:14:54
00041	sestri_2	03/04/2025	120,000	31/03/2025 10:14:54

Figure 128: margins report

OFFLINE SIGNATURE MANAGEMENT

Through the [offline signature management link](#), you access a page where you can manage your signature certificate. If you fail to have a signature certificate, the page will be as shown in Figure 129; through the link **Aggiungi** (add), you may add a certificate.

Emittente:
numero di serie :
Valido fino :
subject :

Nessun certificato di firma configurato

Per Settare o Cambiare il Certificato, eseguire i seguenti passi:

- Download File: click [Download](#) per scaricare il file da firmare
- Sign File: utilizzare un tool esterno per firmare il file scaricato
- Save Certificate: selezionare il file firmato e salvare il Certificato

Selezionare il file firmato: Nessun file selezionato

Figure 129: the user has no signature certificate; this page allows the user to add one

By clicking on the **Download** link, you may download an xml file (M-GAS_Registration_Signature) that you must sign with the signature certificate that you wish to use when signing transactions to be entered into the system; this certificate is reloaded as shown in Figure 129.

Once the certificate has been saved, its details will be displayed on the page. At this stage, you must confirm the entry of the certificate by clicking on the **Salva** (save) link.

Figure 130: details of the certificate being entered

After the certificate has been entered, it must be authorised by the portal administrator before being used for transactions.

COMPLAINTS

- Figure 131 shows the complaints page, through which you may monitor the progress of complaints. Each complaint may be entered and then updated by associating it with new messages. You may view the list of all the complaints made for the participant that you represent, and in particular: title of the complaint, its status, the code of the company (participant) to which the complaint refers, the user that has made the complaint, the timestamp showing the time of entry, and then a link to the messages associated with the selected complaint.
- Option to add a new message to the already open complaint.

titolo	stato	cod. operatore	utente	timestamp	link
Nessuna riga da visualizzare					

Figure 131: complaints page

By using the icon , you may thus open a window to add a complaint, as shown in Figure 132.

cod. operatore r00018

utente user

titolo

testo

[submit](#)

Figure 132: complaint entry page

MARKET SESSION PAGE

By clicking on SQL sessions, you will open a page showing, by default, the market sessions of the current day and of the three previous days (Figure 133). The data shown concerns the flow date of the session, its opening and closing dates, and its status. However, from the first cell of the “data” (date) column, you may select any past session or range of past sessions by flow date.

GME - Natural GAS Exchange

home > SQL > Sessioni SOL

Selezionare

informazioni

- utenti
- operatori
- Punti d'offerta
- margini dell'operatore
- gest. certific. di firma
- gest. firma offline
- contestazioni

Sessioni SOL

id sessione	data	apertura	chiusura	stato	results	dettagli
46658	03/04/2025	02/04/2025 13:00:00	02/04/2025 18:00:00	APERTA		
46649	01/04/2025	31/03/2025 10:00:00	31/03/2025 10:32:06	COMPLETATA		

Pagina: 1 - N° totale pagine: 1 40 Righe per pagina Righe da 1 a 2 - N° di righe totali: 2

Figure 133: list of sessions

ENTRY OF OFFERS/BIDS

The [offerte](#) (offers/bids) page enables you to manage your offers/bids for a specific market session, i.e. to send, change or revoke them, or to manage predefined offers/bids that do not concern a specific session.

The page appears as shown in Figure 134.

Figure 134: offer/bid entry form.

If you analyse the page, you will note, at the top, two tabs: 'Offerte' (offers/bids) and 'Offerte Predefinite' (predefined offers/bids).

The 'Offerte' tab is available only if an open market session is present; the flow date of the session is shown on the drop-down menu at the top, which is not modifiable; on the right, another drop-down menu shows all the offer points for which the participant is enabled to operate. After selecting an offer point, you may submit (and generally manage) a single supply offer for the selected offer point.

Only participants that have been enabled as 'Richiedenti Solidarietà' (solidarity-requesting participants) are authorised to enter demand bids only.

Below, you may view summary data, such as the offer point margin.

ENTRY OF ONE OR MULTIPLE OFFERS/BIDS

Figure 134 gives an example of entry of a supply offer. To enter it, you must have priorly selected an offer point and completed the fields relating to the price and volume (expressed in MWh).

By pressing "firma e invia" (sign and submit), you will move to the transaction signature stage (Figure 135). You will see all the details characterising the offer/bid and the operation that has been carried out (in this case "inserisci" - enter). Later, you will see other possible operations.

Figure 135: signature and submission of two offers/bids

To submit the offer/bid, you must select the 'Offline' tab, download the offer/bid file, sign it with the signature certificate associated with you, as a user, reload the signed file, and upload it.

After submitting transactions, you may monitor their result, by clicking on "Carica FA" (load FA), as shown in Figure 136. When the Functional Acknowledgment is available, the system will display a link allowing you to download the xml file locally. However, you may see the result of the transaction at any time, via the [lista messaggi](#) (message list) page.

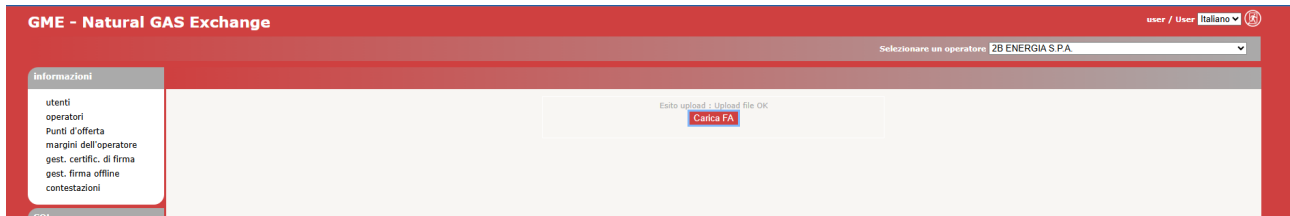


Figure 136: loading the FA

Now, by reloading the page and selecting the offer point previously selected for entering the offer/bid, you will be able to view the offer/bid already submitted (Figure 137). For this offer/bid, the first field ('id offerta' – offer/bid id), contains the unique identifier characterising any offer/bid in the system.

 This screenshot shows the 'offerte' (offers) section of the interface. It features a tabbed header with 'offerte' and 'Offerte predefinite'. The form includes several input fields: 'Sessione di mercato' (SOL - 03/04/2025), 'punto d'offerta' (sestri_2 - Sestri P 2), 'margine del punto d'offerta' (120,000 MWh), 'id offerta' (821467), 'Prezzo [€/MWh]' (5,00), 'Quantità [MWh]' (1,000), 'tipo di offerta' (vendita), and 'operazione' (modifica). A 'note' field is also present. A red button labeled 'firma e invia' is at the bottom right.

Figure 137: form to change already submitted offers/bids

CHANGING AND REVOKING OFFERS/BIDS

As shown in Figure 137, note that, for any offer/bid already submitted, you may carry out a couple of transactions through the last drop-down menu: change and revocation.

 This screenshot is similar to Figure 137 but shows the 'operazione' dropdown menu set to 'revoca' (revocation) instead of 'modifica'. All other fields and the 'firma e invia' button remain the same.

Figure 138: offer/bid revocation form

Figure 138 shows an example of offer/bid revocation.

Figure 139: form to change already submitted offers/bids

Conversely, Figure 139 shows a change in the volume of the offer/bid (expressed in MWh). After changing it, you may submit the offer/bid. The summary box, to be digitally signed, shows the transaction in the offer/bid id field.

Figure 140: confirmation of a change and of a revocation

ENTRY OF PREDEFINED OFFERS/BIDS

You may submit predefined offers/bids even when no open market sessions are present.

Figure 141: predefined offer/bid entry form

At the top right, a non-modifiable drop-down menu shows the 'Asta di solidarietà' (solidarity auction) market; on the left, another drop-down menu displays all the offer points for which the selected participant is enabled to operate. After selecting the offer point, you may submit (and generally manage) a single predefined supply offer for the selected offer point.

Only participants that have been enabled as 'Richiedenti Solidarietà' (solidarity-requesting participants) are authorised to send predefined demand bids only.

As shown in Figure 142, note that, for any predefined offer/bid already submitted, you may carry out a couple of transactions, through the last drop-down menu: change and revocation.

offerte Offerte predefinite

punto d'offerta: sestri_1 - Sestri P 1

Mercato: Asta solidarietà

id offerta: 821468

Prezzo [€/MWh]: 100,00

Quantity [MW]: 1,000

tipo di offerta: vendita

operazione: modifica

note:

firma e invia

Figure 142: change of predefined offers/bids

Figure 143 gives an example of revocation of a predefined offer/bid.

offerte Offerte predefinite

punto d'offerta: sestri_1 - Sestri P 1

Mercato: Asta solidarietà

id offerta: 821468

Prezzo [€/MWh]: 100,00

Quantity [MW]: 1,000

tipo di offerta: vendita

operazione: revoca

note:

firma e invia

Figure 143: revocation of predefined offers/bids

Figure 142, instead, shows how to change the volume of the offer/bid (expressed in MWh) and then send the same offer/bid. The summary box, to be digitally signed, shows the transaction together with the offer/bid id.

Sta per essere inviata un'offerta con questi dati:

id offerta	Prezzo [€/MWh]	Quantity [MW]	tipo di offerta	punto d'offerta	Sessione di mercato	operazione	Offerte predefinite
821468	100,00	10,000	vendita	sestri_1 - Sestri P 1	Asta solidarietà	revoca	<input checked="" type="checkbox"/>

Online Offline

Download Xml

Selezionare il file firmato: Scegli file Nessun file selezionato

Upload file firmato

Figure 144: confirmation of change and revocation of predefined offers/bids

OFFERS/BIDS

The [lista offerte](#) (list of offers/bids) page (Figure 145) displays the offers/bids related to the selected participant.

The upper part of the page contains the filters for: transaction, type of transaction, flow date range, and offer point.

nome prodot	cod. punto d'	q.tà MWh/g	Quantità scac	tipo	prezzo €/	pracc. t	controv	data	op.	stato	utente	counte	contro	id offre	note	da pre	Timestamp
PROD-SOL	sestr_2	1,000	0,000	vendita	5,000			03/04/2	00041	sottome	user			821467			02/04/2025 17:04:3
PROD-SOL	sestr_1	1,000	0,000	vendita	10,000			03/04/2	00041	sottome	user			821468			02/04/2025 16:45:0

Figure 145: list of offers/bids

The system shows such details as: name of product, offer point, volume, traded volume (field populated only after market execution), type of offer/bid (supply offer or demand bid), entered price, accepted price (field populated only after market execution), value of offer/bid, flow date of session, participant, status of offer/bid, user entering it, counterparty, offer/bid id, predefined flag, any remarks, and entry timestamp.


BULLETIN BOARD

The “Bacheca” (bulletin board) page exhibits, only for solidarity-requesting participants, the list of supply offers available for the open market session.

The solidarity-requesting participant can thus make a selection by using the checkbox of the offers to be purchased.

Id	Prezzo [€/MWh]	Quantità [MWh]
<input type="checkbox"/> 821470	5,00	44,000
<input type="checkbox"/> 821471	10,00	77,000
<input type="checkbox"/> 821472	10,00	77,000
<input type="checkbox"/> 821469	100,00	1,000

Figure 146: bulletin board

By pressing the  button, you will view a cell in the page where you may specify the maximum volume that the participant wishes to buy.

Among the offers, ranked in increasing price order, the system will select those whose sum of volumes is lower than or equal to the entered volume to be bought.

Bacheca

Quantità [MWh]

	Id	Prezzo [€/MWh]	Quantità [MWh]
<input checked="" type="checkbox"/>	821470	5,00	44,000
<input type="checkbox"/>	821471	10,00	77,000
<input type="checkbox"/>	821472	10,00	77,000
<input checked="" type="checkbox"/>	821469	100,00	1,000

Ultimo aggiornamento : 02/04/2025 18:26:52

Figure 147: offer/bid capture form

By pressing the “Firma e Invia” (sign and submit) button, you may enter the signed offer/bid file.

Stia per essere inviata un'offerta con questi dati:

id offerta	Prezzo [€/MWh]	Quantità [MWh]
821470	5,00	44,000
821469	100,00	1,000

Offline

Selezionare il file firmato: Nessun file selezionato

Figure 148: entry of a demand bid capturing two supply offers

If no market session is open, the page is empty.

GME - Natural GAS Exchange

home > SOL > Bacheca

Selezionare un operatore:

informazioni

- utenti
- operatori
- Punti d'offerta
- margini dell'operatore
- gest. certific. di firma
- gest. firma offline
- contestazioni

SOL

- Sessioni SOL
- offerte
- lista offerte
- Bacheca

messaggi

Bacheca

Non ci sono sessioni di mercato aperte.

Figure 149: unavailability of the bulletin board when the session is closed

Participants not classified as solidarity-requesting participants will not be able to view the content of this page.

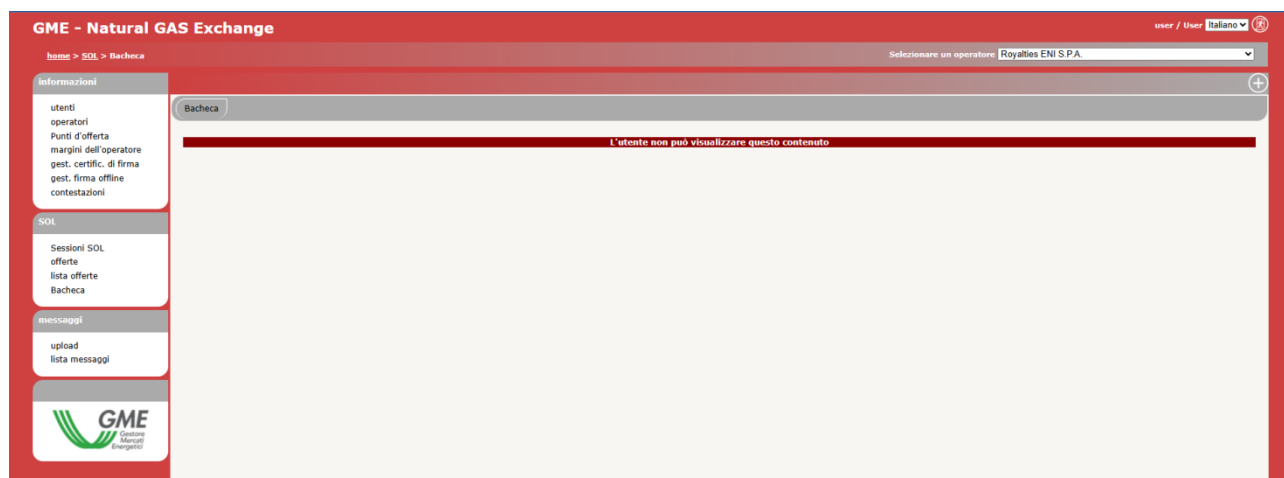


Figure 150: unavailability of the bulletin board for participants not classified as solidarity-requesting participants

UPLOAD OF XML FILES

Through the [upload page](#), you may directly upload the xml file to enter/change offers/bids or to change the status of offers/bids (Figure 151).

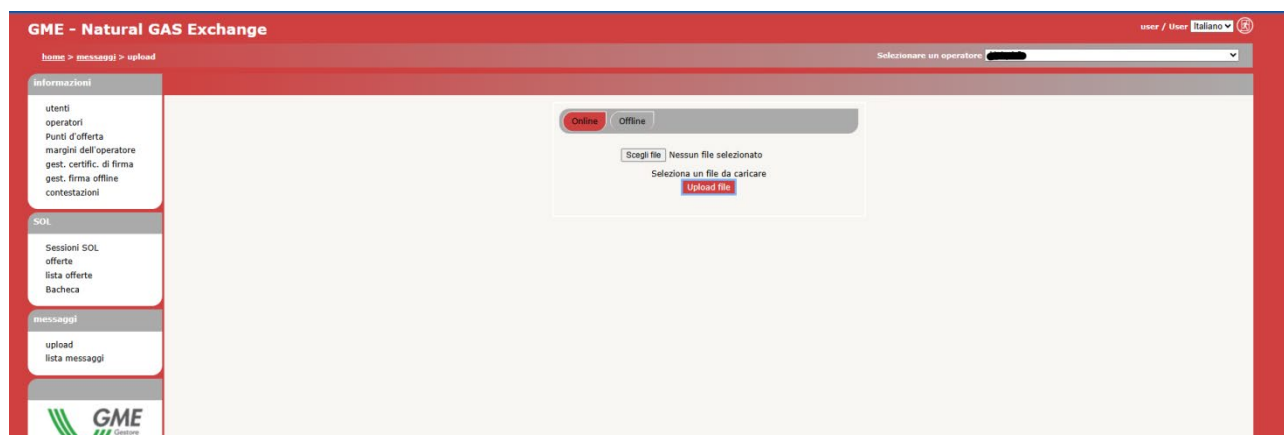


Figure 151: upload of an xml file

You must prepare the xml file with an appropriate editor and then carry out the upload by selecting the file, signing its content, and then entering the transaction.

You may sign the file online, through Internet Explorer, or offline, i.e. you may upload an already signed file.

LIST OF MESSAGES

Each action made by the user in the MPL system through the above-described web pages will result in an xml file, which will be stored in the database and subsequently processed by the platform. Each action stored in the system generates a result (called **Functional Acknowledgment, FA**), i.e. another xml file, whatever the result of the action made.

The list of xml transactions submitted, and the related result are displayed in the [lista messaggi](#) (list of messages).

id msg	id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	sp	codice utente	Nome file	Timestamp	Transazione	elab. time
382632	1082985	Visualizza	Offers	OUT		user	Offer_00041_SOL_20250402182	02/04/2025 06:22:43	1 \ 1	00.00
382626	1082918	Visualizza	Offers	OUT		user	Offer_00041_SOL_20250402171	02/04/2025 05:18:47	1 \ 1	00.00
382625	1082927	Visualizza	Offers	OUT		user	Offer_00041_SOL_20250402170	02/04/2025 05:04:34	1 \ 1	00.00
382623	1082924	Visualizza	Offers	OUT		user	Offer_00041_SOL_20250402164	02/04/2025 04:45:03	1 \ 1	00.00
382620	1082921	Visualizza	Offers	ERR		user	Offer_00041_SOL_20250402163	02/04/2025 04:37:58	0 \ 1	
382618	1082920	Visualizza	Offers	ERR		user	Offer_00041_SOL_20250402163	02/04/2025 04:35:52	0 \ 1	

Figure 152: list of messages

The page is organised as follows: the first column shows the unique id assigned to the xml input message, produced through the interaction of the user with the portal pages. By clicking on the number representing the id, you may download the xml file giving evidence of all the input parameters generating the transaction.

Likewise, the second column shows the id of the transaction result file. By clicking on the related number, you may download the FA in xml format. The third column shows the link to the digitally signed content, i.e. the portion of HTML representing the preview of each action, which is presented immediately before the action.

Then, you will see the subject of the message and, above all, its status. The latter may be as follows:

- **IN:** message submitted and stored, but not yet processed.
- **ERR:** message incorrectly composed or with incorrect content.
- **RUN:** message being processed.
- **OUT:** message processed (with unsuccessful or successful outcome).

The remaining columns display such data as: participant and user entering the transaction, name of the xml file, date and time of entry, number of transactions successfully processed, and processing time, in minutes and seconds.

The page filters include a checkbox, called **mark** (Figure 153). If you select it, the system will mark the outcome file as downloaded. This action will have an impact on the download of the file via the web service because the system will neglect the already downloaded files, returning only those that have not yet been examined by the user. If, from the interface, you download an xml file, with the **mark** checkbox selected, the download of the same file via the web service will fail.

<div> <div>data inizio : 02/04/2025</div> <div>data fine : 03/04/2025</div> <div>Mark: <input type="checkbox"/></div> </div>										
lista messaggi										
id msg	id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	timestamp	Transazione	elab. time
				Select Message Status						
382632	1097985	Visualizza	Offers	OUT		user	Offer_00041_SOL_20250402182	02/04/2025 06:22:43	1 \ 1	00.00

Figure 153: filters of the list of messages