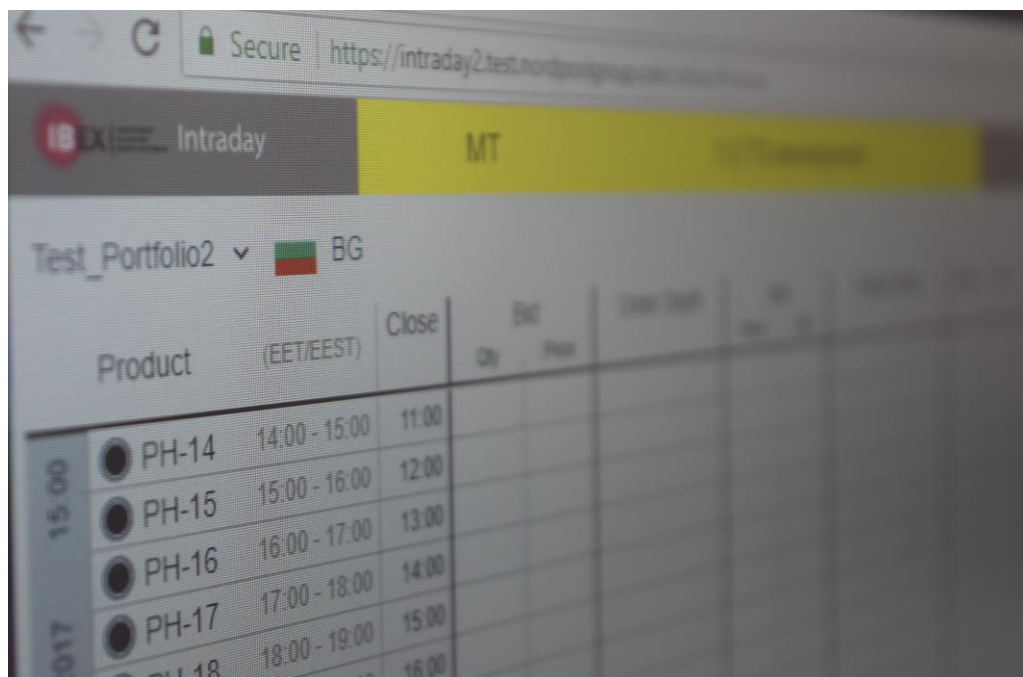


User Guide

Electronic trading system for administration of the “Intraday”
market segment (IDM)

Independent Bulgarian Energy Exchange



The screenshot shows a web browser window with the URL <https://intraday2.test.nordpoolgroup.com>. The page header includes the "Intraday" logo and a yellow bar with "MT". Below the header, there is a dropdown menu for "Test_Portfolio2" and a flag for "BG". The main content is a table with the following columns: Product, (EET/EEST), Close, Bid, Ask, Last Traded, and Volume. The table lists products PH-14 through PH-18 with their respective time intervals and closing prices.

Product	(EET/EEST)	Close	Bid	Ask	Last Traded	Volume
PH-14	14:00 - 15:00	11.00				
PH-15	15:00 - 16:00	12.00				
PH-16	16:00 - 17:00	13.00				
PH-17	17:00 - 18:00	14.00				
PH-18	18:00 - 19:00	15.00				

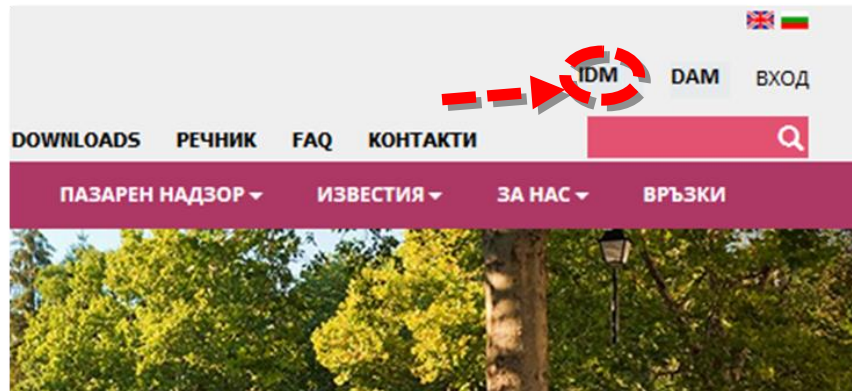
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Access to the electronic trading system for IDM (ETS-ID)

ETS-ID is a web based trading system for administration of the IDM in Bulgaria. The platform implemented in its structure the most innovative trends and achievements in the energy trading, and in the same time is fully compatible with the European platform for administration of the single European market coupling of the intraday markets (XBID – Cross border intraday).

1. The connection with the ETS-ID can be performed through the following internet address - <https://intraday.test.ibex.bg>, and there is a direct button on the IBEX web site that is automatically redirecting the user to the same URL:



For connection and usage of the ETS-ID, it is necessary to use the newest versions of the browsers: Chrome, Mozilla or Microsoft Edge.

2. The log in to the ETS-ID is performed through the so called "2-Factor Authentication" (2FA), which is ensuring the high level of security of the connection, as well as the necessary flexibility, needed for the users' comfort.

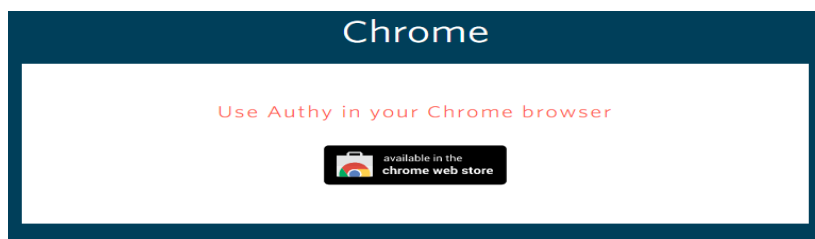
The 2FA could be configured in the following ways and by the following devices:

- a. 2FA through extension of the Chrome browser. This can be performed in the following way:

Step 1:

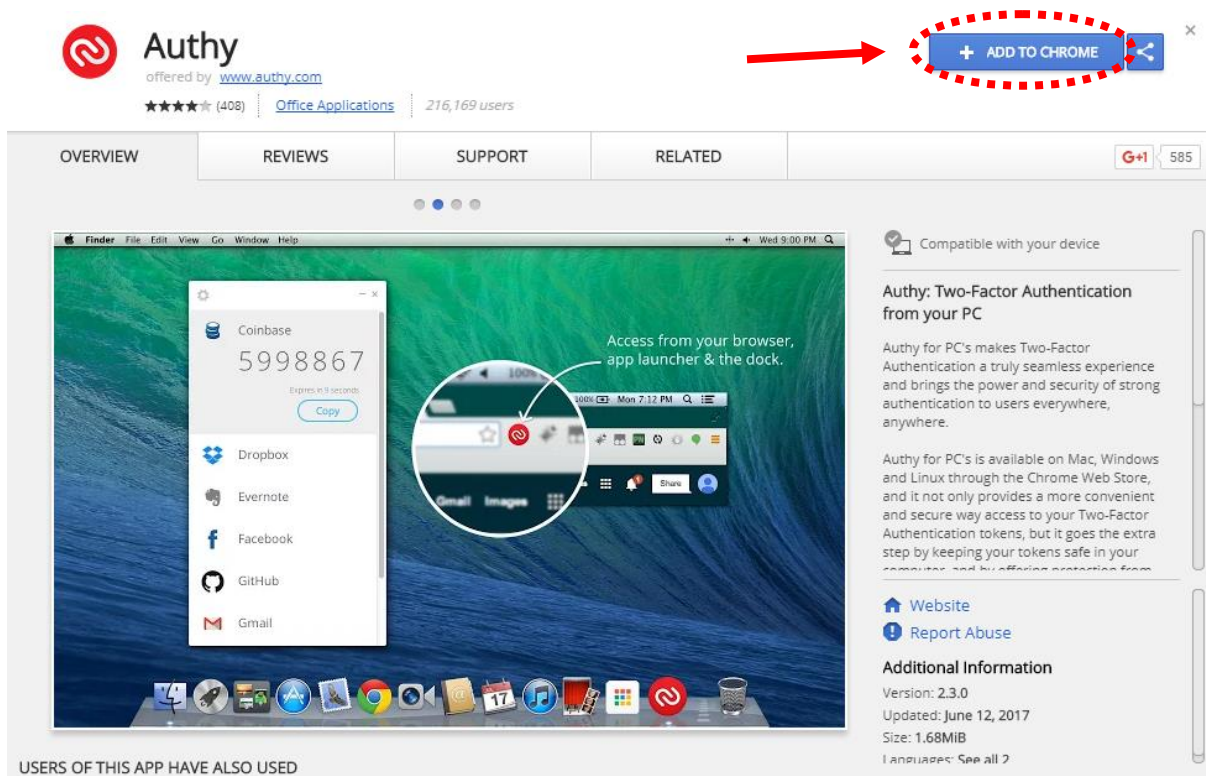
Firstly the user should select the following link and then the option with Chrome extension:

[Authy download page](#)

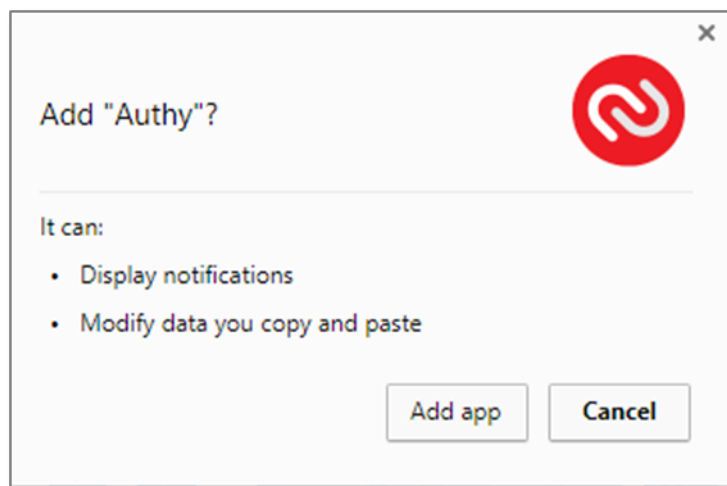


Step 2:

After that the user should open the Chrome web Store by selecting the respective icon, which will redirecting you to the Chrome web Store:

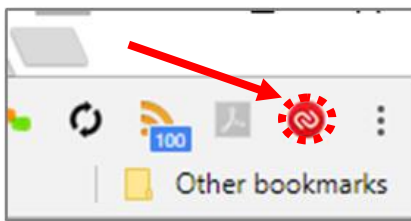


Select the „**Add to Chrome**“ button in the upright corner of the screen.



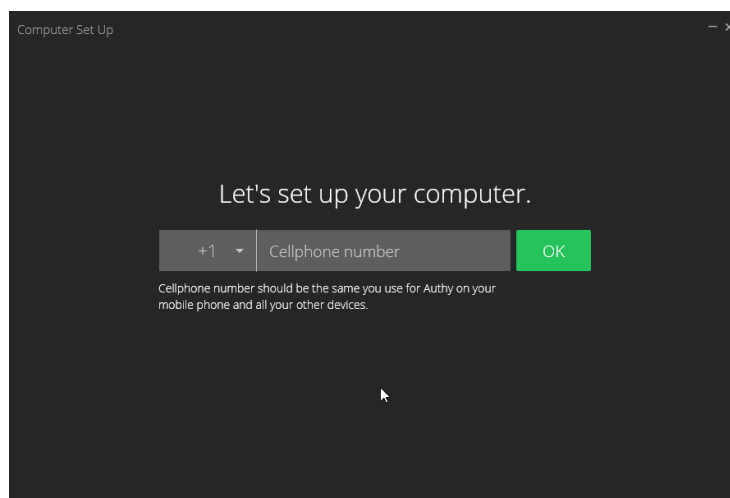
From the window that pops up, select the "**Add app**" button.

The "Authy app" application will become accessible through your browser Chrome. You could find it on the following URL address in the browser: <chrome://apps/> or you can select the „Authy Icon“ icon in the upright corner of the screen:

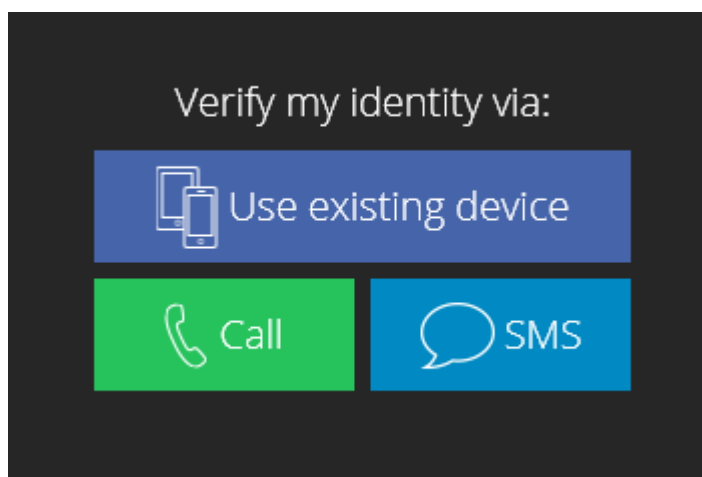


Step 3:

In order to create a „Authy“ account, you should select the application icon, which will result in popping up the following window:

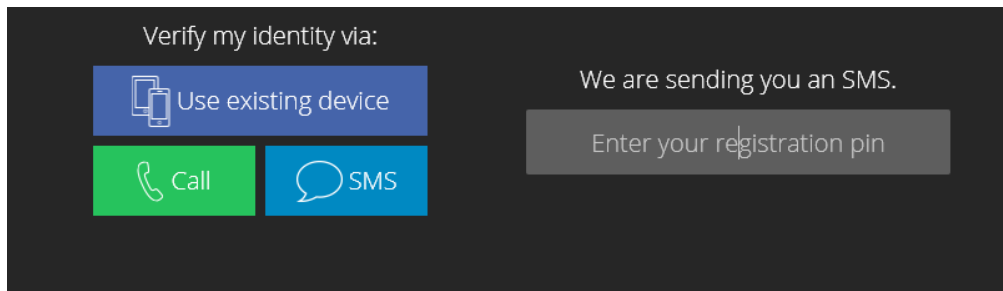
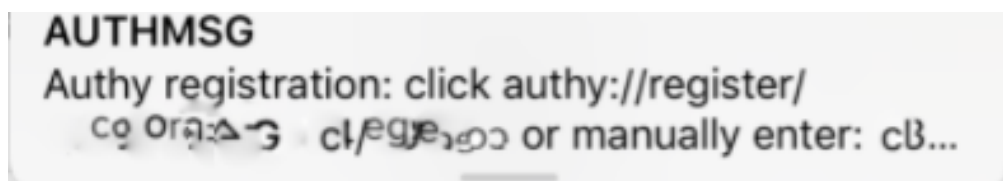


Select your national phone code followed by your local number and then click OK. After the last action the application will require the registration of the E-mail as well, which is mandatory. After the successful registration of the phone number and the E-mail address, the following window will become available:

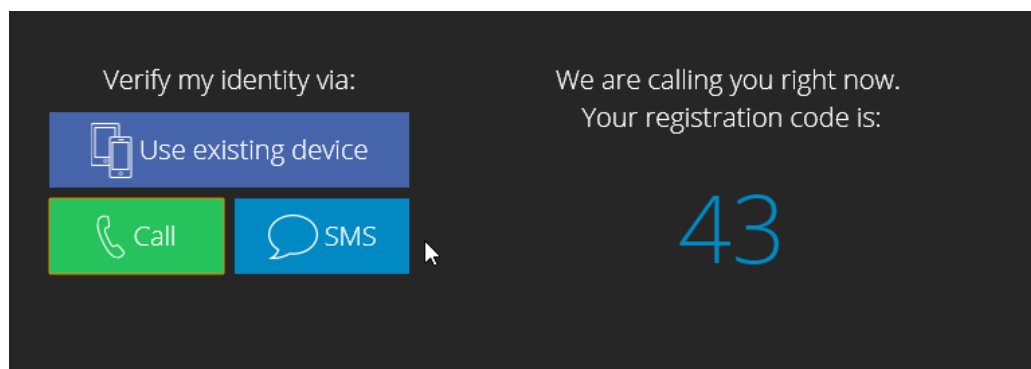


Here, you can choose from 3 different options for proofing your user account. You should choose your preferred options for validation of your device.

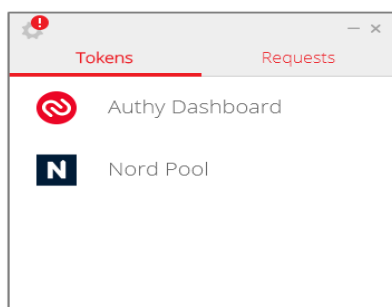
If you choose the option with the SMS, than you will receive the SMS (only on mobile phone) with a link that could be traced or a code that you should manually insert into the "Registration Pin" field:



If you choose the option with phone call validation, the application will show the 2-digits code, which you must dial on your phone after you receive a phone call in a 30 seconds time interval.

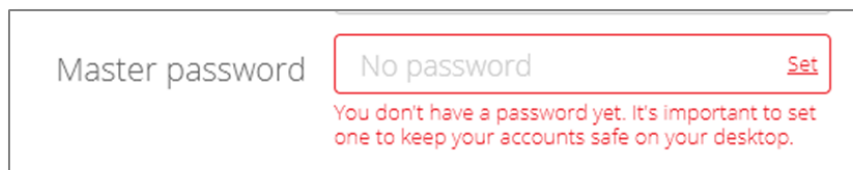


After this step, the application will be ready for operation and will look like this:



Step 4:

In order to maintain the necessary security level of your account, it will be important to configure also the so called „**master password**“. This could be done by accessing the „**settings**“ menu:



Master password [Set](#)

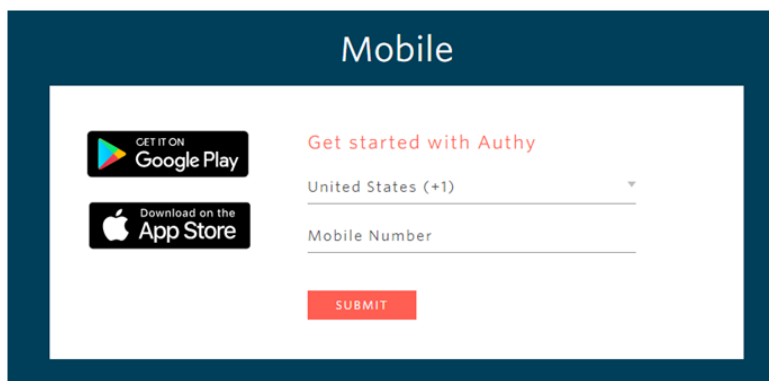
You don't have a password yet. It's important to set one to keep your accounts safe on your desktop.

- b. When the SSO (Single Sign on) is allowed for your user account, you could use the mobile application for identification. For doing this you should do the following:

Step 1:

Firstly, you should select the following link:

[Authy download page](#)



Mobile

GET IT ON Google Play

Download on the App Store

Get started with Authy

United States (+1)

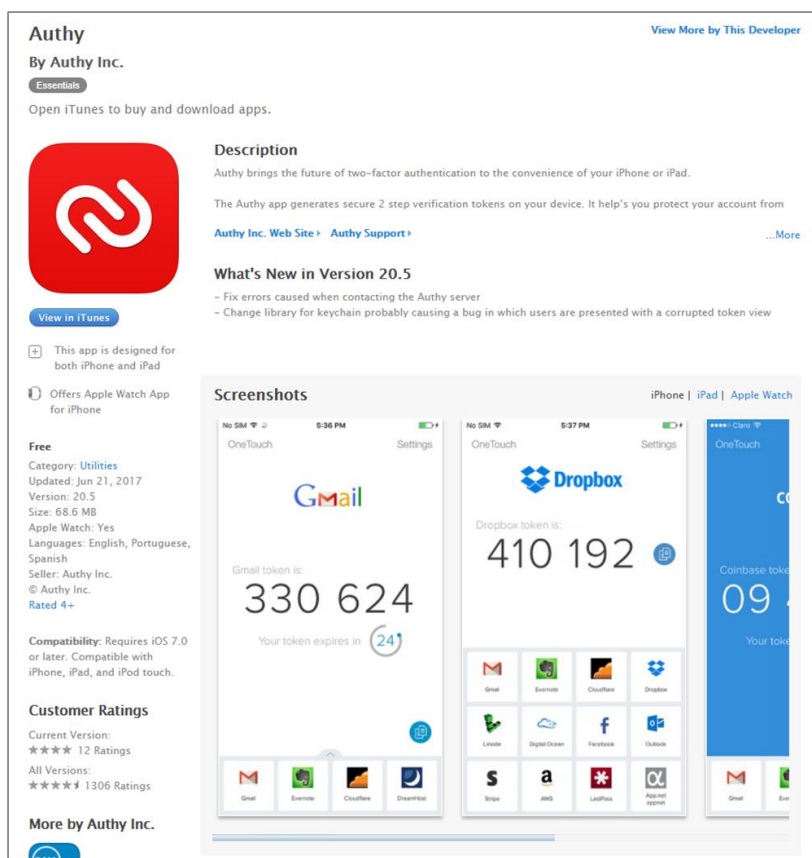
Mobile Number

SUBMIT

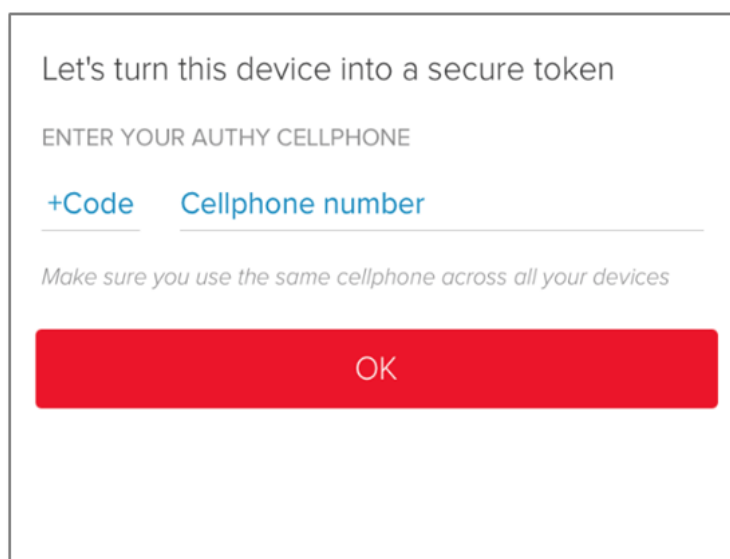
After that select your mobile operation system and fill in your mobile number. This is in order to receive a link for download. You can also go directly to the App Store (for Apple) or Google Play (for Android). There, you can manually look for „Authy“ and consequently to download it on your device.

From Google Play:



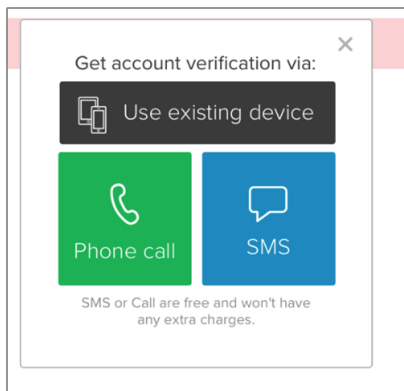
From App Store:

Open the application on your smart phone and you will be ready to configure your device to be a „**secure token**“:



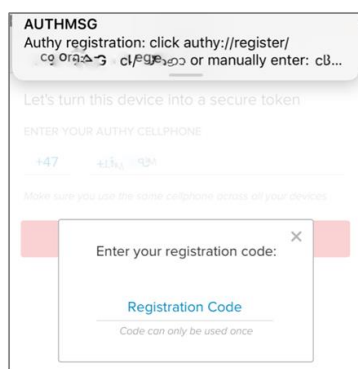
Step 2:

Here, you should fill in your national prefix, followed by your phone number, and then click "OK". Following this, you will be able to access the options for your device verification:

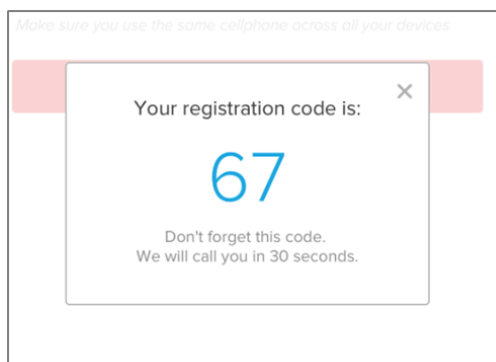


Select you preferred option for validation.

If you select SMS validation, you will receive SMS, containing a link that you should follow, or a code that should be manually inserted in the field "Registration Code":

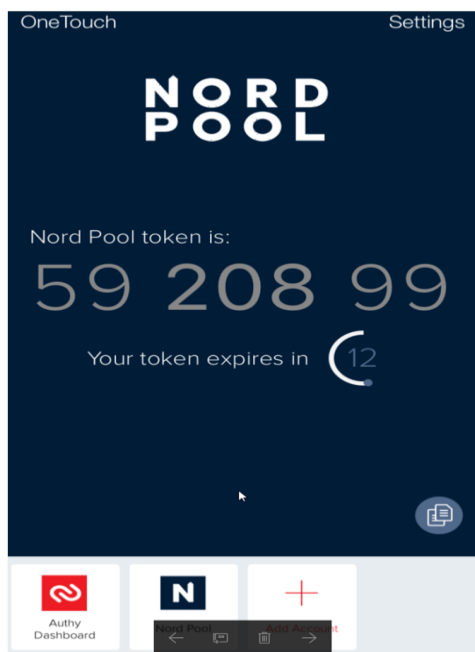


If you choose the phone call validation option, the application will generate the 2-digits code that you must dial on your device once you receive the phone call after 30 seconds.



Step 3:

After this last step, the application will be ready for usage and will look like this:



- c. 2FA through Desktop application. This could be performed in the following way:

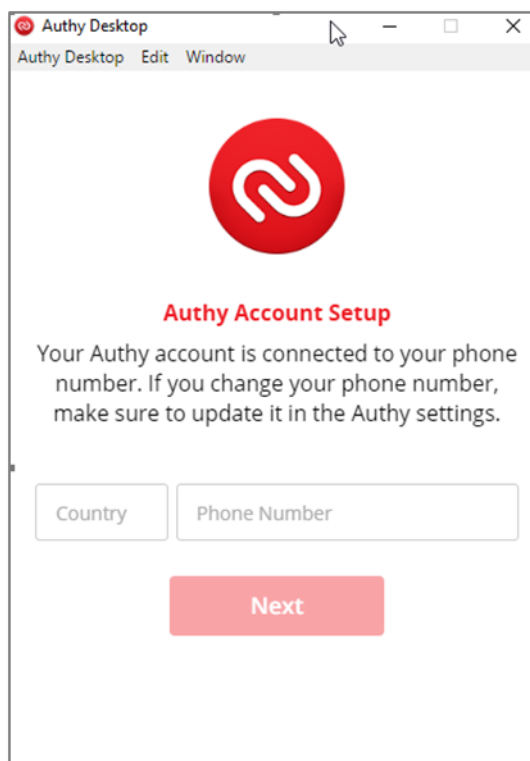
Step 1:

Firstly, you have to choose the following link:

[Authy Download page](#)

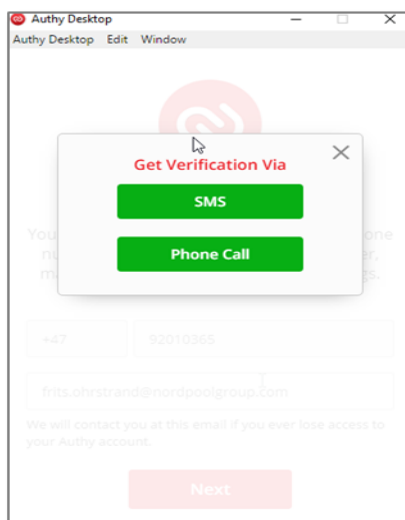
**Step 2:**

Select the version, which is required by your operating system, than select "Download". When the application is already downloaded, start the installation process, following the instructions.



Step 3:

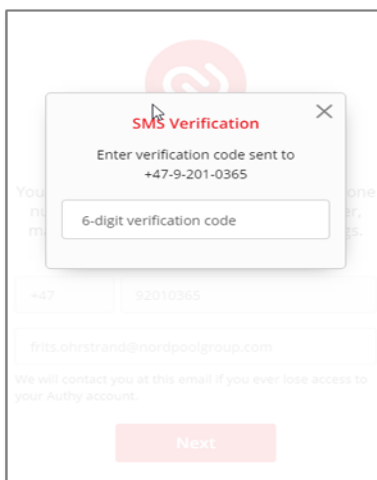
On the following step you should fill in your E-mail address that you have currently access to.



Step 4:

The validation of your account be performed either by SMS or by the phone call:

By SMS:

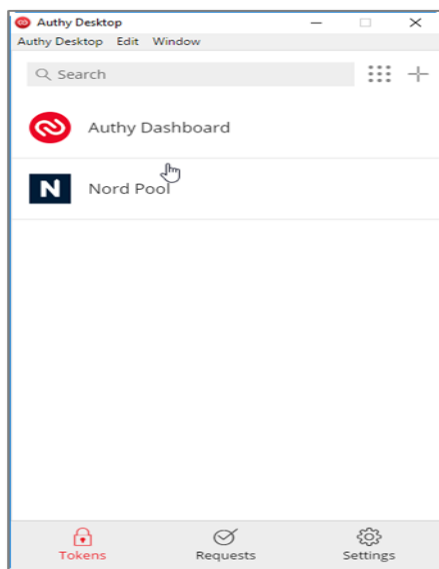


Insert the 6-digits code manually or follow the link for the account validation.

By phone call:

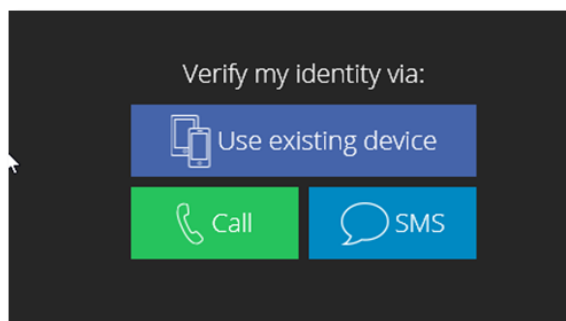
Upon selection of this option, the application will generate the 2-digits code that you must dial on your device once you receive the phone call after 30 seconds.

When your account is successfully validated, the application will look like this:

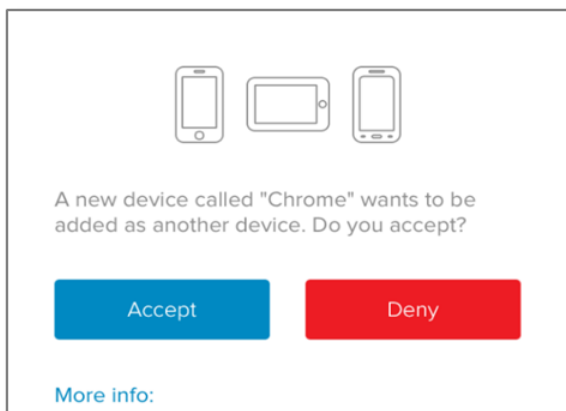


- d. 2FA could be achieved also by the „Authy“ application, which is installed more than once on different devices. This could be performed in the following way:

After the successful installation of the second „Authy“, you could confirm the application through the verification in the mobile application or web application in Chrome:

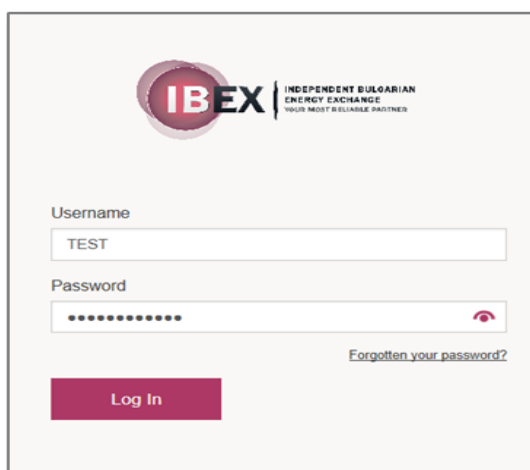


You will receive a request for approval of the application that will look like this:



3. The log in to the ETS-ID, after the successful installation of the necessary application for 2FA on the respective device, could be performed in the following way:

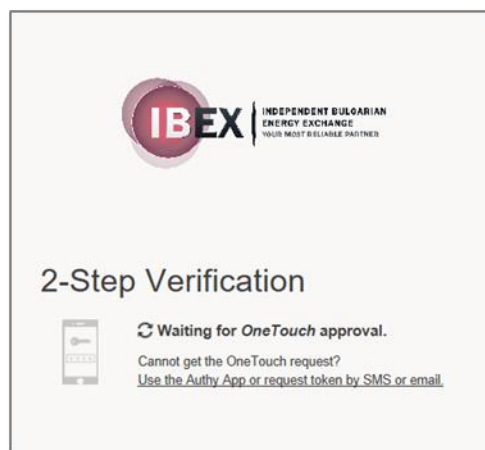
Step 1: Insert the user name and the password, which you received in your account access E-mail:



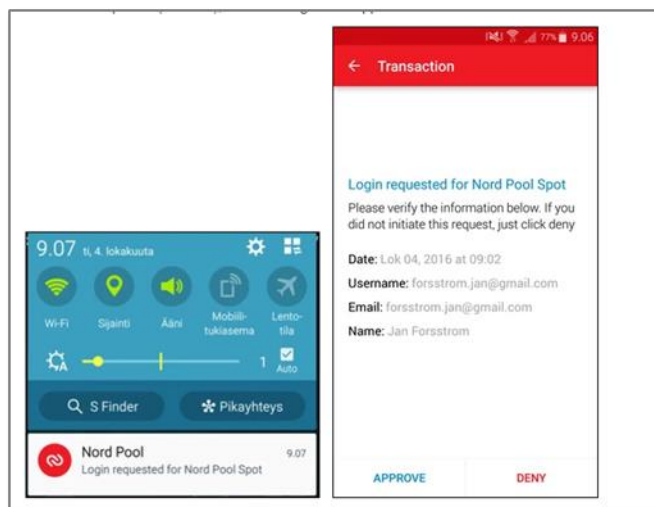
After selecting „**Log In**“, you will be redirected to the next step of the process 2FA.

Step 2: 2-Factor Authentication (2FA)

Single click approval could be used as the preferred method of identification:



For smart phones with Android, the following window will we shown:

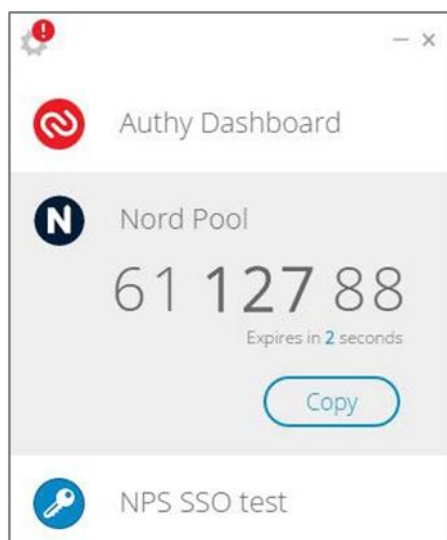


Here, you should select „Approve“, in order to confirm and respectively to identify your access.

Alternative ways:

By APP:

„**Authy**“ application (Mobile App, Chrome App or Windows app)



The user could manually fill in or copy and paste the code from the application (mobile or Chrome, where all the spaces should be removed – like between the two 1 and 7 and 8 from the example above), followed by the selection of „**Verify**“ from the application. If the code has been correct, the application, to which the user is requiring access, will be available.

Single access code by SMS, phone call or E-mail

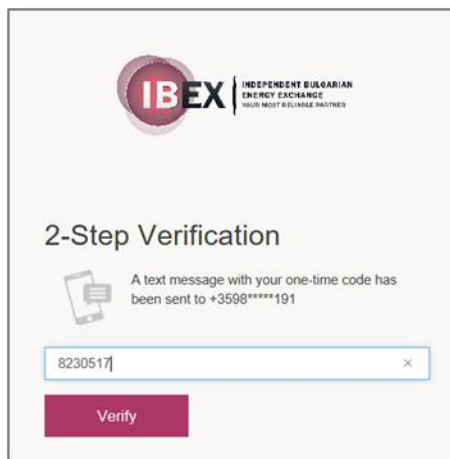
If the user does not have an installed application „Authy“ on any of device or computer, or he/she cannot access them at the moment, than the user could request single access code in the following way:

- SMS (to mobile phone number, stored in advance into the IBEX / Nord Pool database, which is actually the respective number from the application for participation on the market segment);
- Phone call (to mobile phone number, stored in advance into the IBEX / Nord Pool database, which is actually the respective number from the application for participation on the market segment);
- E-mail (to E-mail address, stored in advance into the IBEX / Nord Pool database, which is actually the respective E-mail from the application for participation on the market segment).



SMS:

The user could require a temporary access code on SMS, by clicking this option from the drop down menu:



IBEX | INDEPENDENT BULGARIAN
ENERGY EXCHANGE
YOUR MOST RELIABLE PARTNER

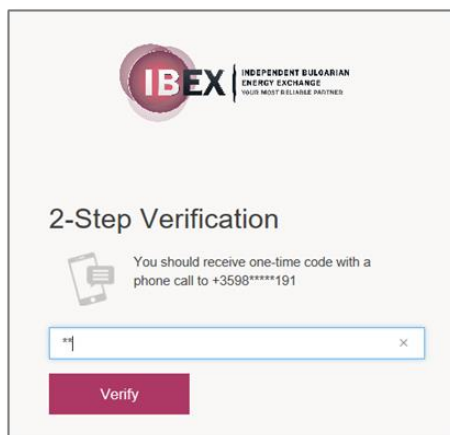
2-Step Verification

A text message with your one-time code has been sent to +3598*****191

Verify

Phone call:

An automatic call will be effectuated to the mobile number of the registered user. The user than will be urged to select 1 from his/her mobile device if this call is expected. After that the single access code will be dictated digit by digit and repeated once more. After receiving the code, the user should insert it into the respective field on the screen:



IBEX | INDEPENDENT BULGARIAN
ENERGY EXCHANGE
YOUR MOST RELIABLE PARTNER

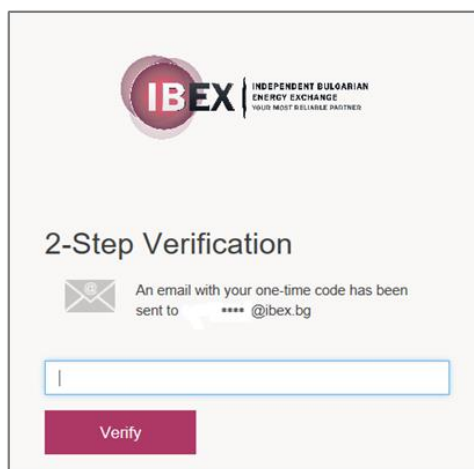
2-Step Verification

You should receive one-time code with a phone call to +3598*****191

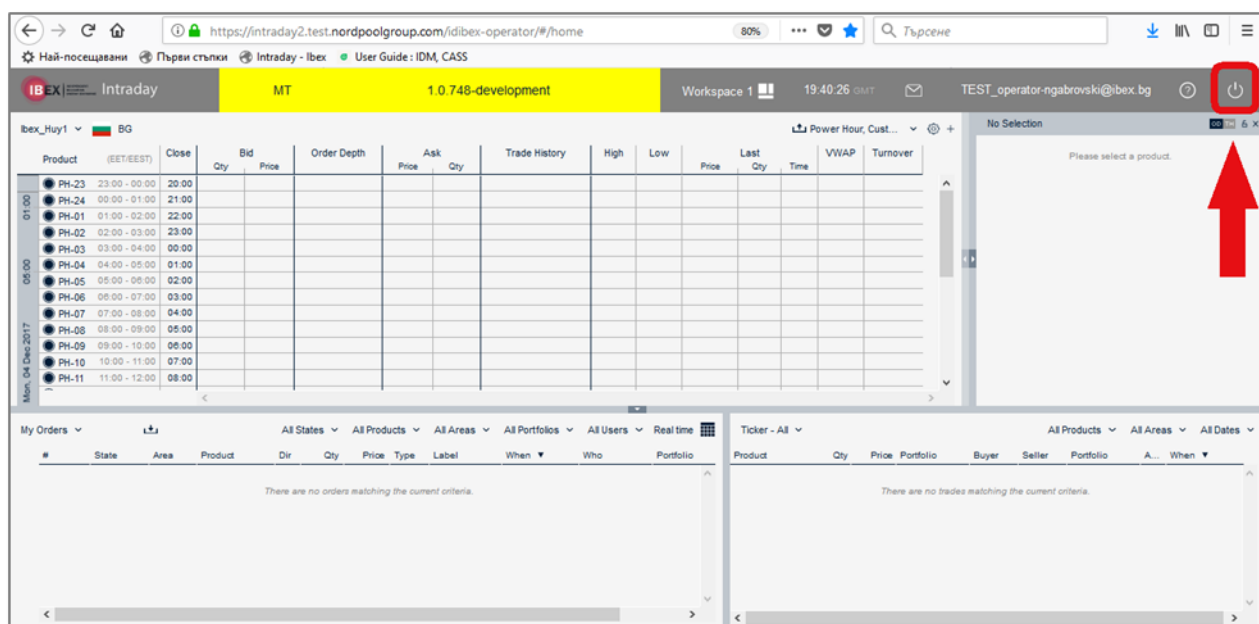
Verify

Email:

In this case, an E-mail will be sent to the registered user and the following screen will be visualized:

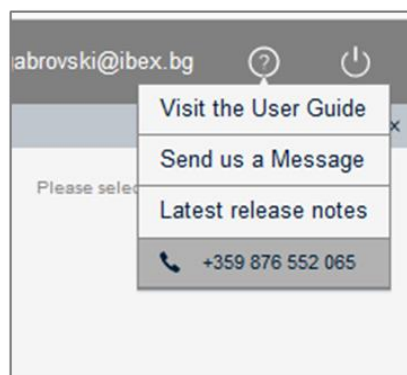


4. In case the „**master password**“ is forgotten, the application reinstallation will be necessary (this is valid both for Chrome and Microsoft desktop).
5. For the secure disconnection from the ETS-ID (log out) is necessary to select the  button in the upper right corner of the screen:



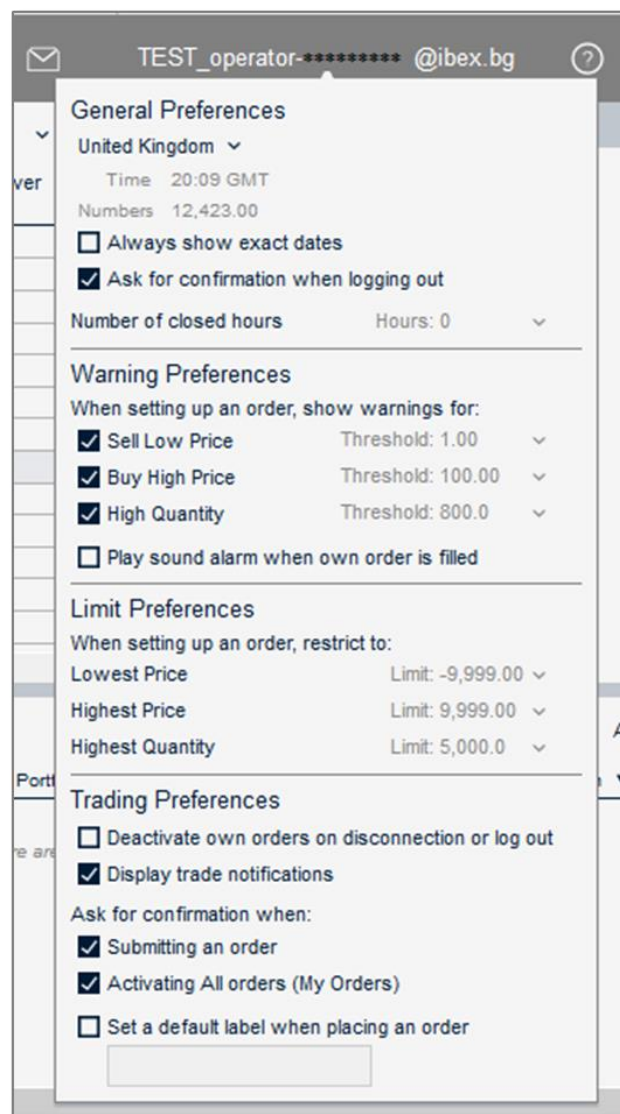
Support and contact with the Operator

For assistance in operating with the platform and questions related to the trading on the IDM, the following options could be used (after selecting the „?” button in the upright corner of the screen of the EST-ID).



User settings in the EST-ID

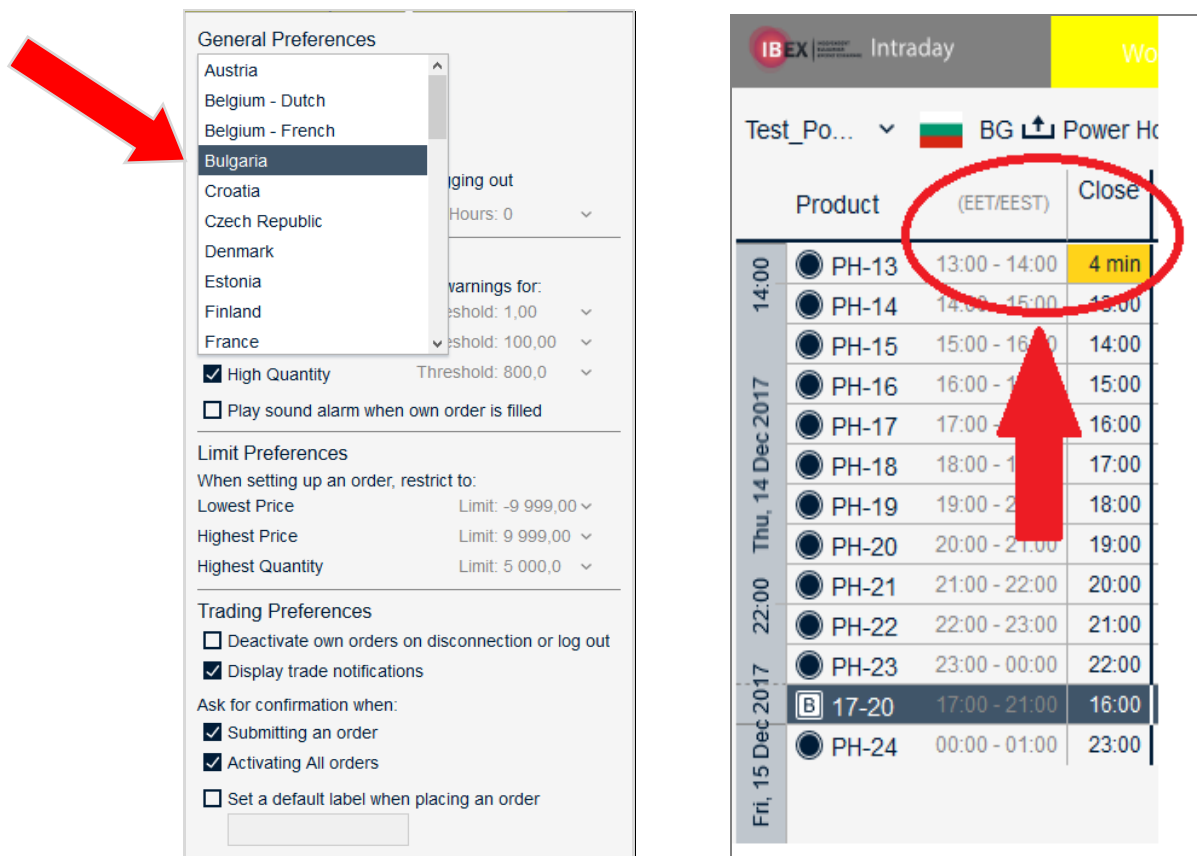
The user settings in the EST-ID are accessible through selection of the user name in the upper right corner of the screen. After the selection, the drop down menu with 4 main sections occurs:



1. **General preferences;**

The general preferences concern the options and configurations that are related to the user profile. They are valid and related to all the screens, security settings, as well as with the way the trading days and hours are presented.

- **Select the country** is a preference that is determining the time zone, the user is situated. This is affecting also the visualization of the GCT of the respective product:



- **Always show exact dates** is a preference, which is ensuring the constant visualization of the exact date in the "Order book", "Trade history" and "Trade ticker" menus. When this option is NOT selected, the date is visualized as a relative day to the current one, e.g. "1 day ago".
- **Ask for confirmation when logging out** is the preference that is ensuring popping up of an additional window, containing the requirement for second confirmation in case of "log off" from the ETS-ID. This preference could significantly reduce the risk from unintentional exit from the platform that could generate different consequences. For instance automatic orders deactivation.
- **Number of closed hours** is the preference defining the number of the expired products that will be shown on the Market information screen.

2. **Warning preferences;**

The warning preferences are mean for the registered users to limit the parameters of the registered offers on the market. This will significantly reduce the risk of erroneous offers

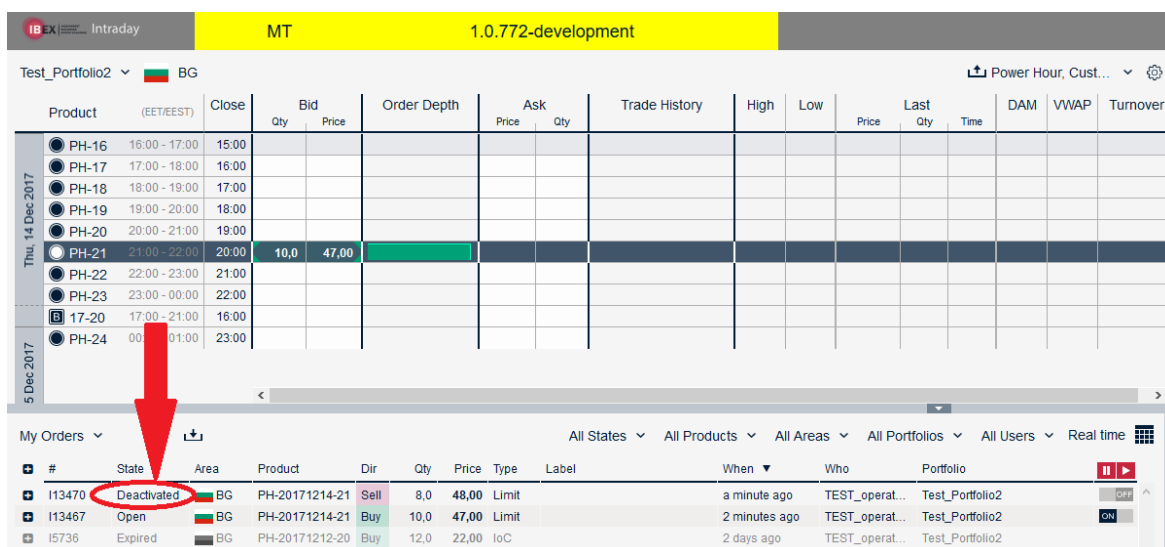
registration, and thus, for the mistrades. When the limits are set, and after an attempt for registering the offer outside this limits, the warning message will occur. This message is not aiming at ban the offer registration, but simply to warn the user. The setting of the limits could be performed by selecting the respective arrows and then number setting.

3. Limit preferences;

These preferences give the opportunity to the registered participants to set limits on its own offers, such as fixed minimum and maximum price, as well as the maximum volume. This will surely prevent from registration of the offers outside the limits. The limits are mandatory and no one offer outside the limits will be processed. The setting of the limits could be performed by selecting the respective arrows and then number setting.

4. Trading preferences;

- **Deactivate own orders on disconnection or log out** is a preference ensuring automatic deactivation of all own orders in case of lost connection with the ETS-ID or in case of "log out" (all the offers will be flagged "deactivated" in the list of registered offers):



The screenshot shows the IB EX Intraday MT 1.0.772-development interface. At the top, there's a header with 'IB EX Intraday', 'MT', and '1.0.772-development'. Below this, a dropdown menu shows 'Test_Portfolio2' and a flag for 'BG'. The main table displays market data for various products (PH-16 to PH-24) with columns for Product, (EET/EEST), Close, Bid, Price, Order Depth, Ask, Price, Trade History, High, Low, Price, Last, Qty, Time, DAM, VWAP, and Turnover. A red arrow points from the 'Deactivated' status in the 'My Orders' table to the 'PH-21' order in the 'Test_Portfolio2' table above.

Product	(EET/EEST)	Close	Bid	Price	Order Depth	Ask	Price	Trade History	High	Low	Price	Last	Qty	Time	DAM	VWAP	Turnover
PH-16	16:00 - 17:00	15:00															
PH-17	17:00 - 18:00	16:00															
PH-18	18:00 - 19:00	17:00															
PH-19	19:00 - 20:00	18:00															
PH-20	20:00 - 21:00	19:00															
PH-21	21:00 - 22:00	20:00	10,0	47,00													
PH-22	22:00 - 23:00	21:00															
PH-23	23:00 - 00:00	22:00															
PH-24	00:00 - 01:00	23:00															

#	State	Area	Product	Dir	Qty	Price	Type	Label	When	Who	Portfolio
113470	Deactivated	BG	PH-20171214-21	Sell	8,0	48,00	Limit		a minute ago	TEST_operat...	Test_Portfolio2
113467	Open	BG	PH-20171214-21	Buy	10,0	47,00	Limit		2 minutes ago	TEST_operat...	Test_Portfolio2
15736	Expired	BG	PH-20171212-20	Buy	12,0	22,00	IoC		2 days ago	TEST_operat...	Test_Portfolio2

- **Display trade notifications** is the preference allowing or banning the visualization of the trade notifications, sent by the Operator. The activation of this option is highly recommended.
- **Submitting an order** is a preference generating a pop up window for second confirmation each time the offer is trying to be registered in the ETS-ID.
- **Activating all orders** is a preference generating a pop up window for second confirmation always when all the own offers has been activated.
- **Set a default label** is a preference, allowing the generation of a default label on all own orders that consequently will be illustrated on the respective place in the orders list:

IB EXIntraday

MT

1.0.772-development

Test_Portfolio1BG

Power Hour, Cust...

Product	(EET/EEST)	Close	Bid	Order Depth	Ask	Trade History	High	Low	Last	DAM	VWAP	Turnover
			Qty	Price		Price	Qty		Price	Qty	Time	
PH-16	16:00 - 17:00	15:00										
PH-17	17:00 - 18:00	16:00										
PH-18	18:00 - 19:00	17:00										
PH-19	19:00 - 20:00	18:00										
PH-20	20:00 - 21:00	19:00										
PH-21	21:00 - 22:00	20:00			48,00	8,0			47,00	47,00	47,00	10,0
PH-22	22:00 - 23:00	21:00	10,0	48,00							14:39	47,00
PH-23	23:00 - 00:00	22:00			45,00	5,0						
PH-24	00:00 - 01:00	23:00										

My Orders

All StatesAll ProductsAll AreasAll PortfoliosAll UsersReal time

#	State	Area	Product	Dir	Qty	Price	Type	Label	When	Who	Portfolio	
113563	Open	BG	PH-20171214-23	Sell	5,0	45,00	Limit	test	3 minutes ago	TEST_operat...	Test_Portfolio2	ON
15736	Expired	BG	PH-20171212-20	Buy	12,0	22,00	IoC		2 days ago	TEST_operat...	Test_Portfolio2	

Messages and last trades information

There is an icon with envelope in the upright corner of the main screen that is providing an access to the last trades or last operational messages delivered by the Operator:

Workspace 1		14:25:37 EET		@ibex.bg
14:25	Filled	I32144 - PH-23 to PH-24	10,0MWh	50,00EUR
14:25	Filled	I32142 - PH-23 to PH-24	10,0MWh	50,00EUR
Mark all as read				

Market information screen

This screen contains most of the market information, as well as the position of the respective participant. The user could choose between different available products, as well as to visualize / hide columns from the screen. All the changes effectuated through different filters will be accessible after relogging to the system.

IB EX

Intraday

MT

1.0.786-development

Workspace 19:56:23

Test_Portfolio2

BG

Power Hour, Cust...

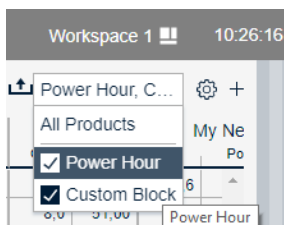
+

Product	(EET/EEST)	Close	Bid	Order Depth	Ask	Trade History	High	Low	Price	Last Qty	Time	DAM	VWAP	Turnover	My Purchases	My Sales	My Ne	
			Qty Price		Price Qty										Qty Price	Qty Price	Qty Po	
12:00	PH-11	11:00 - 12:00	4 min8,048,70		49,901,1	4 min49,90 EUR	49,90	49,90	49,902,4	09:43			49,90	11,2				
	PH-12	12:00 - 13:00	11:009,548,90		50,001,3	2 min50,00 EUR	50,00	50,00	50,002,7	09:43			50,00	11,6				
	PH-13	13:00 - 14:00	12:004,056,00			2 min53,00 EUR	53,00	51,00	53,002,1	09:45			51,41	10,1	2,153,00	8,051,00	-5,9	
	PH-14	14:00 - 15:00	13:004,256,00			2 min50,80 EUR	50,80	50,20	50,802,1	09:50			50,27	16,2		16,250,27	-16,2	
	PH-15	15:00 - 16:00	14:0015,056,00			2 min51,10 EUR	51,10	50,30	50,301,9	09:50			50,40	16,8		16,850,40	-16,8	
	PH-16	16:00 - 17:00	15:0015,549,70		50,402,1	4 min50,40 EUR	50,40	50,40	50,403,9	09:43			50,40	13,2		13,250,40	-13,2	
	PH-17	17:00 - 18:00	16:0017,049,90		50,502,3	4 min50,50 EUR	50,50	50,50	50,504,2	09:43			50,50	13,6		13,650,50	-13,6	
	PH-18	18:00 - 19:00	17:0018,550,10		50,602,5	4 min50,60 EUR	50,60	50,60	50,604,5	09:43			50,60	14,0		14,050,60	-14,0	
	PH-19	19:00 - 20:00	18:0020,050,30		50,702,7	4 min50,70 EUR	50,70	50,70	50,704,8	09:43			50,70	14,4		14,450,70	-14,4	
	PH-20	20:00 - 21:00	19:0027,150,50		50,802,9	4 min50,80 EUR	50,80	50,80	50,805,1	09:43			50,80	14,8		14,850,80	-14,8	
21:00	PH-21	21:00 - 22:00	20:005,650,80		50,903,1	4 min50,90 EUR	50,90	50,90	50,905,4	09:43			50,90	15,2		15,250,90	-15,2	
	PH-22	22:00 - 23:00	21:002,351,00		53,202,1	4 min51,10 EUR	51,10	51,00	51,009,0	09:43			51,02	18,9		18,951,02	-18,9	
	PH-23	23:00 - 00:00	22:0028,151,10		53,502,1	4 min51,10 EUR	51,40	51,10	51,109,5	09:43			51,18	19,5		19,551,18	-19,5	
		12:13	12:00 - 14:00	11:00														
		13-15	14:00 - 16:00	12:0011,057,10		56,0015,0	15 min56,50 EUR	55,50	55,50	55,5015,0	09:54			55,50	15,0	15,055,50		15,0
	PH-24	00:00 - 01:00	23:0013,051,30		53,802,1	10 min51,30 EUR	51,70	51,30	51,309,0	09:43			51,41	20,1		20,151,41	-20,1	

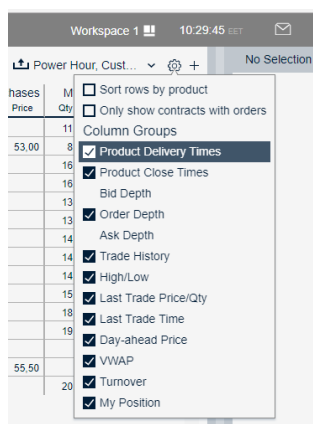
ue, 09 Jan 2018

Columns description:

- **Products:** All the products available for trading in the respective market zone will be listed in this column. All the products selected by the respective filter will be visualized:



If the option "Product delivery times" has been selected from the filter, then also delivery start time will be shown:



Delivery start time of the respective product is in the time zone of the respective bidding zone. In the concrete case the time zone is EET (East European time).

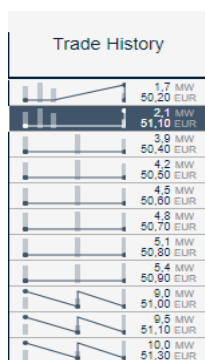
- **Close:** The GCT (gate closure time) of each available for trading product is visualized in this column. When only 5 minutes left to the GCT, the colour of the respective cell is changed to yellow, and when there is only 1 minute left, it turns to red. The last 10 seconds are counted with digits in the cell.

GCT is visualized in the time zone, in which the respective participant is registered. Differently, the delivery interval of the respective product is in the delivery zone time zone. Generally, these times are not coinciding.

- **Bid/Ask:** The "bid" and "ask" columns are representing the respective best bid (those with the highest price) and best ask (those with the lowest price) prices for certain product. **In this and in all other cases "bid" is a purchase order, and "ask" is a sale order.**
- **Order Depth:** The column "Order depth", part of this screen, provides graphical presentation of registered orders for purchase and sale. The purchase orders are with green colour, while the sale ones with red colour. After pointing the graphic "Order depth" of certain product, the drop down window occurs. It contains the information for up to the last 10 orders:

Bid		Order Depth		Ask	
Qty	Price			Price	Qty
4,2	56,00				
15,0	56,00				
15,5	49,70			50,40	2,1
1					2,3
Bid		Ask			
Qty	Price	Price	Qty		
1			2,5		
2	15,5	49,70	2,1		
2	5,6	49,30	2,1		
			2,9		
5,6	50,80		3,1		
2,3	51,00		2,1		
28,1	51,10		2,1		
13,0	51,30		2,1		

- **Trade history:** The summary of the trades concluded for certain product throughout the delivery day, is illustrated graphically in this column. Each point of the graphic is representing the concluded trade, where the light grey column represent the traded volume. The traded price and volume of the last trade is illustrated on the right in the respective product cell:



- **High / Low:** The highest and the lowest prices for each product are visualized in this column. The price is this of the concluded trades.
- **Last:** The information about the price, volume and conclusion time is illustrated in this column. The same information is available also through the "Trade history" screen but here is more detailed. The price difference with previously concluded trades is indicated with red or green arrow, where the red one is used when the price is decreasing and the green one is used when the price is increasing:

Last		
Price	Qty	Time
50,80 ▼	2,1	09:50
50,30 ▲	1,9	09:50
50,40	3,9	09:43
50,50	4,2	09:43
50,60	4,5	09:43
50,70	4,8	09:43
50,80	5,1	09:43
50,90	5,4	09:43
51,00 ▼	9,0	09:43
51,10 ▼	9,5	09:43
51,30 ▼	10,0	09:43

- **DAM:** In this column the day ahead (DAM) clearing prices is automatically indicated. This is because in this way the comparison and benchmarking is enhanced.

- **VWAP:** The calculation and the visualization of the volume weighted average price for the already concluded trades is indicated in this column.
 - **Turnover:** The overall turnover for certain product is indicated in this column. In case of traded block products, the total product volume is indicated next to the respective product.
- For instance: If the block product „Baseload“ (0:00 – 24:00 h) with quantity 1MW is traded, the 24 MWh will be indicated in the column “Turnover” next to the product.*
- **My Purchases:** The total purchased quantity of own trades, as well as the VWAP of the own purchases by product is shown in this column. These values are calculated on a portfolio level, and not on a company level.
 - **My Sales:** The total sale volume of own trades, as well as the VWAP of the own sales by product is shown in this column. These values are calculated on a portfolio level, and not on a company level.
 - **My Net:** The net traded volume of own trades, as well as the net financial position for certain product is visualized in this column. If there is a net purchase on certain product, than the trade quantities are with positive sign. On the contrary, when the net position is long (for sale), the volume is visualized with negative sign. These values are also calculated on a portfolio level, and not on a company level.

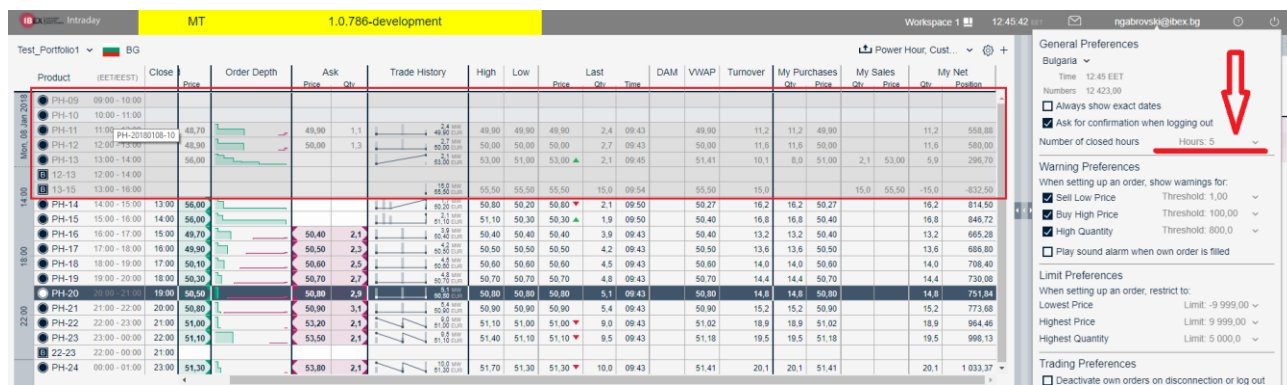
The Market information screen allows its division into several screens. This will enhance the orders and all other details monitoring for more than one portfolio, as well as in the future, when the Bulgarian IDM will be coupled through XBID with neighboring markets, to monitor simultaneously several bidding zones:

Test_Portfolio1		Test_Portfolio2	
Product	Close	Product	Close
PH-09		PH-09	
PH-10		PH-10	
PH-11	8,0 48,70 49,90 1,1 49,90 49,90 49,90 2,4 49,90	PH-11	8,0 48,70 49,90 1,1 49,90 49,90 49,90 2,4 49,90
PH-12	9,5 48,90 50,00 1,3 50,00 50,00 50,00 2,7 50,00	PH-12	9,5 48,90 50,00 1,3 50,00 50,00 50,00 2,7 50,00
PH-13	4,0 56,00	PH-13	4,0 56,00
12-13		12-13	
13-15		13-15	
PH-14	3 min 4,2 56,00	PH-14	3 min 4,2 56,00
PH-15	14,00 15,0 56,00	PH-15	14,00 15,0 56,00
PH-16	15,00 15,5 49,70 50,40 2,1 50,40 50,40 50,40 3,9 50,40	PH-16	15,00 15,5 49,70 50,40 2,1 50,40 50,40 50,40 3,9 50,40
PH-17	16,00 17,0 49,90 50,50 2,3 50,50 50,50 50,50 4,2 50,50	PH-17	16,00 17,0 49,90 50,50 2,3 50,50 50,50 50,50 4,2 50,50
PH-18	17,00 18,5 50,10 50,60 2,5 50,60 50,60 50,60 4,5 50,60	PH-18	17,00 18,5 50,10 50,60 2,5 50,60 50,60 50,60 4,5 50,60
PH-19	18,00 20,0 50,30 50,70 2,7 50,70 50,70 50,70 4,8 50,70	PH-19	18,00 20,0 50,30 50,70 2,7 50,70 50,70 50,70 4,8 50,70
PH-20	19,00 31,1 50,50 50,80 2,9 50,80 50,80 50,80 5,1 50,80	PH-20	19,00 31,1 50,50 50,80 2,9 50,80 50,80 50,80 5,1 50,80
PH-21	20,00 5,6 50,80 50,90 3,1 50,90 50,90 50,90 5,4 50,90	PH-21	20,00 5,6 50,80 50,90 3,1 50,90 50,90 50,90 5,4 50,90
PH-22	21,00 2,3 51,00 53,20 2,1 51,10 51,00 51,00 9,0 51,02	PH-22	21,00 2,3 51,00 53,20 2,1 51,10 51,00 51,00 9,0 51,02
PH-23	22,00 28,1 51,10 53,50 2,1 51,40 51,10 51,10 9,5 51,18	PH-23	22,00 28,1 51,10 53,50 2,1 51,40 51,10 51,10 9,5 51,18
22-23	21,00	22-23	21,00
PH-24	23,00 13,0 51,30 53,80 2,1 51,70 51,30 51,30 10,0 51,41	PH-24	23,00 13,0 51,30 53,80 2,1 51,70 51,30 51,30 10,0 51,41

This division could be performed through the selection of the „+“ sign in the upper right corner of the screen or in case it is desired to reduce the number of the screens, this could be done by choosing the „X“ sign respectively.

Expired products:

All the expired products are ordered in the top of the screen by default, where normally, they are visible by scrolling to the top end position. These products are visualized on the darker background, in order to be distinguishable. The number of the expired products that will be visualized depends on the choice of the respective user in the menu "Number of closed hours", part of the user settings menu:



Order depth and Trading history

Except by the Market information screen, the information concerning the "Order depth" and the "Trading history" could be accessed through a separate screen, part of the trading system GUI. The "Order depth" information is visualized after the selection of the "OD" button in the upper right corner of this screen, and the information related to the "Trading history" is accessible after selecting the "TH" button:

Bid			Ask		
Where	Qty	Price	Price	Qty	Where
BG	17,0	49,90	50,50	2,3	BG
BG	5,6	49,60	51,70	2,1	BG

Qty	Price	Buyer	Seller	App.	When
4,2	*50,50	BG	BG	\$	4 hours ago
5,0	*50,50	BG	BG	\$	4 hours ago
4,4	*50,50	BG	BG	\$	5 hours ago

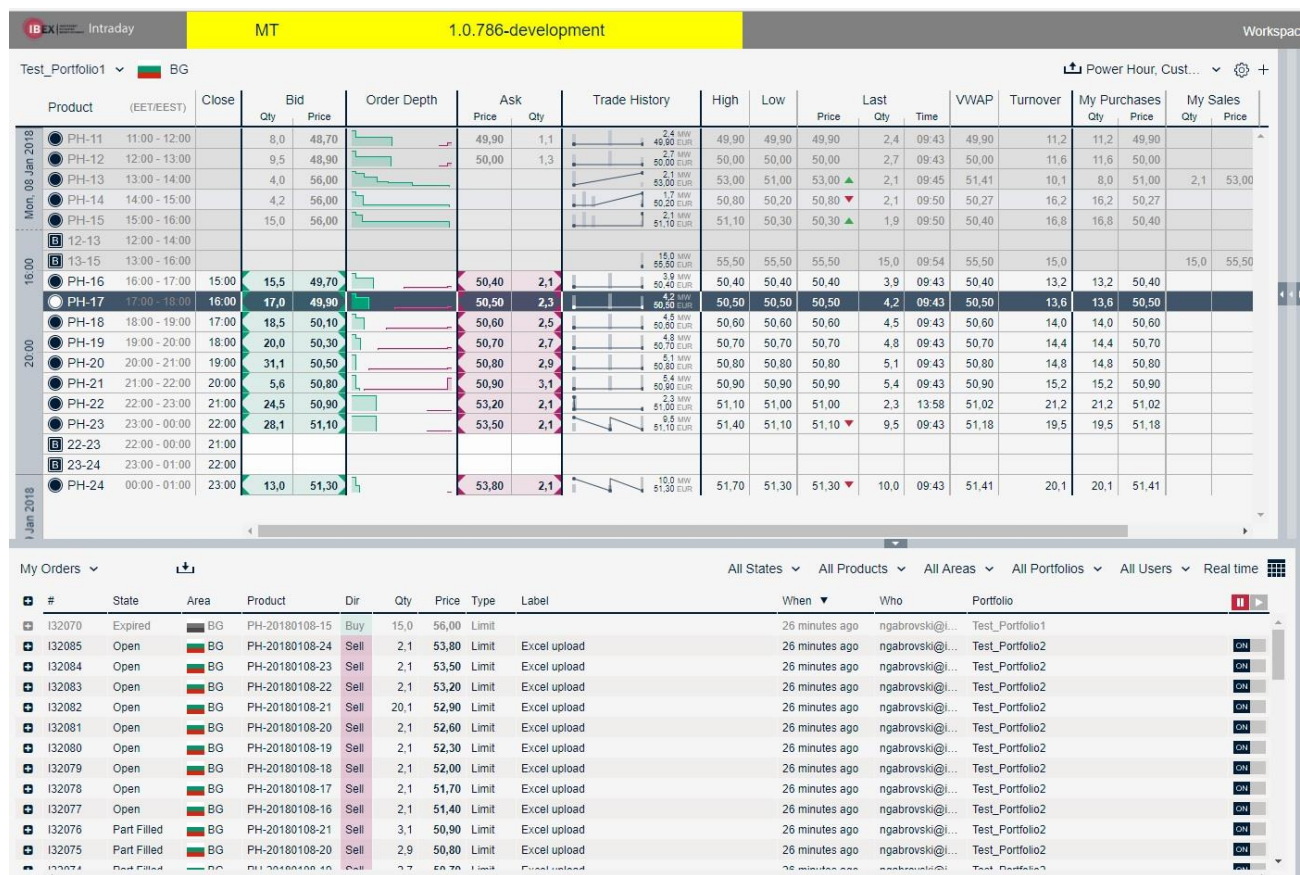
Capacities screen

Information regarding the Available transmission capacities (ATCs) between Bulgarian market area and the other areas, part of the European Single Intraday Coupling (SIDC), is available in the "Capacities" screen. The values represent the ATCs between Bulgaria and the market zone that is chosen from the drop-down menu.

Power Hour, Cust... ▾ ⚙ +							Capacities TEL o... ▾		No Selection	
High	Low	Price	Qty	Time	VWAP	Turnover	TEL ▾			
15,00	10,00	15,00	0,1	11:24	14,05	5,3	BG ↗	↘ BG		
15,00	10,00	15,00	9,0	10:47	14,54	11,0	394,7	405,3		
20,00	10,00	10,00	1,0	10:24	12,22	9,0	399,0	401,0		
10,00	10,00	10,00	2,0	10:24	10,00	4,0	385,0	415,0		
20,00	10,00	10,00	1,0	10:22	13,33	3,0	386,0	414,0		
15,00	15,00	15,00	1,0	10:14	15,00	1,0	389,0	411,0		
15,00	10,00	10,00 ▾	2,0	10:22	11,66	3,0	399,0	401,0		
10,00	10,00	10,00	4,0	10:21	10,00	15,0	397,0	403,0		
15,00	15,00	15,00	1,0	10:14	15,00	1,0	385,0	415,0		
							399,0	401,0		
56,30	56,30	56,30	10,0	10:12	56,30	10,0	400,0	400,0		
							400,0	400,0		

“My orders / My trades” screen

The screens “My orders” and “My trades” provide summary reports for all the trades and orders, which has been registered on the markets by the respective participant. There are different filters for ordering the columns. This could be done by selecting any of the column titles and using the respective occurred arrow:



In order to switch from “My orders” screen to “My trades” screen or vice versa, is necessary to select the screen title in the upper left corner and to point the desired alternative:



The respective columns of the “My trades” screen illustrate the following information (starting from left side to the right):

My Trades													
Trade #	Order #	Area	Product	Dir	Qty	Price	Order Type	Order State	Trade State	Label	When	Who	Portfolio
16745	132596	BG	PH-03 to PH-08	Buy	21.0	*48,20	Block	Filled	Completed		2 minutes ago	ngabrovski...	Test_Portfolio1
16745	132598	BG	PH-03 to PH-08	Sell	21.0	*48,20	Block	Filled	Completed		2 minutes ago	ngabrovski...	Test_Portfolio2
16673	132180	BG	PH-20180108-21	Buy	3.1	*50,90	Limit	Filled	Completed	Excel upload	36 minutes ago	ngabrovski...	Test_Portfolio1

- **Trade #:** This is the unique trade ID;
- **Order #:** This is the unique order ID;
- **Area:** Here, the bidding zone is illustrated, as well as its flag;
- **Product:** This is the name of the product, containing its type, delivery day and delivery period (For instance: PH-20180108-16, which means hourly product with delivery date 08.01.2018 and delivery period 16th hourly interval, e.g. from 15:00 to 16:00 CET);
- **Dir:** Direction of the trade – purchase or sale;

- **Qty:** Traded quantity;
- **Price:** Traded price;
- **Type:** Order type registered in the EST-ID. In the concrete example above we have a standard hourly order and a block order, but generally the types could be different, as described in the section „Orders registration“;
- **Order state:** Order's status that could be one of the listed in the below table, part of the "My orders" screen description;
- **Trade state:** Trade's status that could be one of the following – "Completed" or "Cancelled";
- **Label:** This is the text decided by the participant, adding information (or description) to the order, which is not visible by the other market participants;
- **When:** Trade conclusion time;
- **Who:** Market participant that amended an offer or concluded a trade lastly;
- **Portfolio:** Portfolio that has been used for concluding the trade;
- **Active/Inactive mode:** The buttons  situated in the upper right corner of the screen have to be used for orders' activation or deactivation.

The respective columns of the "My orders" screen illustrate the following information (starting from left side to the right):

My Orders												
All States All Products All Areas All Portfolios All Users Real time												
#	State	Area	Product	Dir	Qty	Price	Type	Label	When	Who	Portfolio	
132180	Part Filled	BG	PH-20180108-21	Buy	2,5	50,90	Limit	Excel upload	an hour ago	ngabrovski@i...	Test_Portfolio1	ON
132179	Part Filled	BG	PH-20180108-19	Buy	17,3	51,30	Limit	Excel upload	an hour ago	ngabrovski@i...	Test_Portfolio1	ON
132178	Expired	BG	PH-20180108-16	Buy	13,4	50,70	Limit	Excel upload	an hour ago	ngabrovski@i...	Test_Portfolio1	
132070	Expired	BG	PH-20180108-15	Buy	15,0	56,00	Limit		2 hours ago	ngabrovski@i...	Test_Portfolio1	
132085	Open	BG	PH-20180108-14	Buy	2,1	53,80	Limit	Excel upload	2 hours ago	ngabrovski@i...	Test_Portfolio2	ON
132084	Open	BG	PH-20180108-23	Sell	2,1	53,50	Limit	Excel upload	2 hours ago	ngabrovski@i...	Test_Portfolio2	ON

- **#:** This is the unique order ID;
- **State:** Status of the order that could be one of the following listed in the below table:

Status / Статус	Explanation / Обяснение
Open	An order that has not been matched or filled yet. / Оферта, която не е била все още удовлетворена напълно или частично.
Part filled	An order where minor part of the original volume remains / Оферта, за която малка част от първоначално оферираното количество е удовлетворено.
Filled	An order where not all, but major part of the original volume has been matched / Оферта, за която по-голямата част от количеството е удовл.
Matched	An order where the whole volume has been matched / Оферта, за която цялото първоначално оферирано количество е изтъргувано.
Inactivated	An order which has been inactivated by the user / Оферта, която е била деактивирана от съответния потребител.

Cancelled	An order which has been cancelled by the user / Оферта, която е била анулирана от съответния потребител.
Expired	An order which has expired due to gate closure / Оферта, чиято валидност е изтекла поради настъпване на GCT.
Validity Expired	An order where the user set validity time has expired / Оферта, чиято валидност е изтекла поради изтичане на срока зададен от потребителя.
Trade cancelled	An order which has been cancelled due to trade cancellation / Оферта, която е Анулирана, в следствие от "Mistrade".

- **Area:** Here, the bidding zone is illustrated, as well as its flag;
- **Product:** This is the name of the product, containing its type, delivery day and delivery period (For instance: PH-20180108-16, which means hourly product with delivery date 08.01.2018 and delivery period 16th hourly interval, e.g. from 15:00 to 16:00 CET);
- **Dir:** Direction of the trade – purchase or sale;
- **Qty:** Traded quantity;
- **R.Qty:** Residual quantity from the "Iceberg" order;
- **Price:** Trade price;
- **Type:** Order type registered in the EST-ID. In the concrete example above we have a standard hourly order and a block order, but generally the types could be different, as described in the section „Orders registration“;
- **Label:** This is the text decided by the participant, adding information (or description) to the order, which is not visible by the other market participants;
- **When:** Order registration time;
- **Who:** Market participant that amended an order lastly;
- **Portfolio:** Portfolio that has been used for registering the order;

“Ticker” screen

The "Ticker" screen is illustrating all the concluded trades on the market, where the last concluded trades are ordered on the top of the screen. Filtering by product, market zone and period, as well as only own trades visualization is possible on this. The ranking by trading time and product is possible, where for doing this you should select the respective arrow next to the column title.

Ticker - ... ▾		All Produ... ▾		All Are... ▾		All Dat...	
Product	Qty	Price	Buyer	Seller	Agg.	When ▾	
PH-20191113-15	1,0	15,00	BG	HR		2 hours ago	
PH-20191113-14	1,0	15,00	HR	BG		2 hours ago	
PH-20191113-21	10,0	10,00	FI	BG		2 hours ago	
PH-15 to PH-18	10,0	56,30	BE	BG		2 hours ago	
PH-20191113-18	1,0	20,00	BG	EE		2 hours ago	
PH-20191113-17	1,0	10,00	LT	BG		2 hours ago	
PH-20191113-16	1,0	20,00	BG	EE		2 hours ago	
PH-20191113-15	1,0	10,00	LT	BG		2 hours ago	
PH-20191113-14	1,0	10,00	LT	BG		2 hours ago	
PH-20191113-12	0,1	8,00	NO3	BG		3 hours ago	
PH-20191113-16	1,0	20,00	BG	EE		3 hours ago	

The respective columns of the “Ticker” screen visualize the following information (listed from left to the right):

- **Product:** This is the name of the product, containing its type, delivery day and delivery period (For instance: PH-20180108-16, which means hourly product with delivery date 08.01.2018 and delivery period 16th hourly interval, e.g. from 15:00 to 16:00 CET);
- **Qty:** Traded quantity;
- **Price:** Traded price;
- **Buyer:** The market zone, the buyer is registered;
- **Seller:** The market zone, the seller is registered;
- **Agg.:** This is visualizing the “aggressor” for the specific trade, e.g. the party that registered the order later that the initiating order, resulted in a trade;
- **When:** Trade conclusion time;

All own trades for sale are indicated with red background, while the purchases are with green color.

Hourly orders registration in the ETS-ID

The orders registration into the electronic trading system could be performed either through direct input into the Market information screen or by pre-preparing a .csv file and then uploading it to the trading system.

In order to input the single hourly order into the trading system, it is necessary to select the respective order, and then by double clicking on it the following pop up window appears (the so called “Order entry tool tip”):

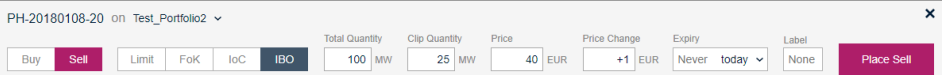
The image shows two screenshots of the PH-20 order entry interface. The top screenshot shows the 'Buy' button highlighted, and the bottom screenshot shows the 'Sell' button highlighted. Both screenshots show a market data bar at the top with various price and quantity indicators.

The other way of accessing this menu is by single click on the respective product and choosing from the drop down menu – “Place an order”, “Match bid” or “Match ask”.

In the “Order entry tool tip” the following information should be input:

- Firstly, the order direction should be selected (ask or bid). Here, it should be stressed on the fact that when selecting the certain product on its “bid” side, the defaulting window will appear with active “Buy” option and vice versa.
- The selection of the order type is performed through the respective button (Limit, FoK, IoC, IBO), where by default the standard hourly limit order is always chosen. The list of the order’s type and their description is enclosed below:

Order type / Тип оферта	Explanation / Обяснение
Limit	An order that can be matched either partially or in its entirety. If a limit order is not fully matched it will remain active in the market until the product the order is placed on goes into expiry / Оферта, която може да бъде удовлетворена частично или изцяло. Ако този тип оферта (ограничена) не е изцяло удовлетворена, тя ще продължи да бъде активна на пазара докато продукта, за който тя е подадена не престане да бъде активен.
Fill or Kill (FoK)	An execution constraint for a limit order. A FoK constraint means that the entire volume of the order will either be matched immediately upon submission to the market or cancelled instantly / Ограничена оферта, за която е въведено допълнително изискване за изпълнение “Fill or kill”. FoK ограничение на офертата означава, че или офертата ще бъде удовлетворена веднага след нейното въвеждане на пазара или ще бъде анулирана незабавно.
Immediate or Cancel (IoC)	An execution constraint for a limit order. An IoC constraint means that as much as possible of the order will be matched immediately upon submission to the market and the remaining volume will be cancelled instantly / Ограничена оферта, за която е въведено допълнително изискване за изпълнение “Immediate or cancel”. IoC ограничение на офертата означава, че след регистрирането ѝ на пазар ще се удовлетвори максимална част от нейното количество, а останалото ще бъде незабавно анулирано.

Iceberg Order (IBO)	The total order volume is split up into smaller orders known as "Clips" where only a single clip at a time is visible on the Market Information window. Your total Iceberg volume will be visible in the "My Orders" window, however the rest of the market will only be able to see a single clip on screen, without knowing it is an Iceberg order. Once the first clip is matched, the next clip receives a new order number and timestamp. When initially entering the Iceberg order, it is possible to add increments to the price of i.e. +/- €1 for each new clip that appears on the Market Information window. The minimum Clip Size is set to 5 MW / Това е особен вид оферта, при която само част от офертираното количество е видимо за пазара. Общия офертиран обем е разделен на отделни равни части известни като "clips", като за пазара е видим само един "clips" във всеки един момент на екрана „Информация за пазара“. Общия обем на IBO офертата ще е видим на екрана "My Orders", но за останалите участници тази оферта ще изглежда като обикновена ограничена оферта, т.е. те няма да знаят, че това е IBO оферта. Веднага след като първия "clip" е изтъргуван, се зарежда втория и т.н., като всеки следващ е с нов номер на оферта и час на постъпване в системата. Когато се въвежда първоначално IBO оферта, може да се зададат и стъпки в цената, например +/- €1, с които да се зарежда всеки следващ "clip". Минималния размер на "clip" е 5 MW. The steps for loading an IBO offer are / Стъпките за въвеждане на IBO оферта са следните: 1. Select product on Market Information screen / Избор на съответния продукт на екрана „Информация за пазара“; 2. Click on "Place Order" which will open the Order entry tool tip / Избор на опцията "Place Order", която ще отвори т.нар. „Order entry tool tip“; 3. In Order type select "IBO" / Избор на съответния тип продукт IBO; 4. Enter the total Iceberg quantity e.g. 100 MW / Въвеждане на общото количество по IBO офертата, например 100 MW] 5. Enter the clip quantity (minimum 10 MW) / Въвеждане на размера на "clip" (minimum 10 MW); 6. Choose whether to add a price change per clip that is hit e.g. +1 EUR / Въвеждане на размера на ценовата стъпка, която да се прилага при зареждане на нов "clip" (например +1 EUR); 7. Click "Place Sell" / "Place Buy"/ Избор на "Place Sell" или "Place Buy". 
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- Input the order "Quantity" and "Price";
- The validity period of the order input will change the status of the order to "Expired", once the time indicated in this cell come. When the order status is already turned into "Expired", it cannot be modified or reactivated again;

- In the field "Label" the text at the participant discretion could be inserted. It becomes available through the "My orders" screen. It is not necessary to fill in this text;
- The selection of "Place Sell" or "Place Buy" with respect to the order direction will complete the registration process in the ETS-ID.

The own orders of each registered participant could be identified thanks to the colored angles of the cells containing the orders' details, as well as the **Bold** style:

PH-21	21:00 - 22:00	20:00	5,6	50,80	L	50,90	3,1
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When own order is on the screen, which is not neither the best bid, nor the best ask, it will be presented with coloured but striped angels and without the **Bold** style;

43,00	32,0
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Block order registration in the ETS-ID

The block orders are available for all registered participants on the IDM, where each participant could define a block order independently, and consequently to register an order with this product. The selection of the consecutive hourly products that will form the block product, could be performed by consecutive selection of the respective hourly products (Ctrl+click or click+Shift+click). After the selection of the consecutive delivery intervals, forming the block product, the following drop down window with "Place Block Order" appears:

IB EX Intraday

MT

1.0.786-development

Workspace 1

12:25

Test_Portfolio1

BG

Power Hour, Cust...

Product	(EET/EEST)	Close	Bid		Order Depth	Ask		Trade History	High	Low	Last			VWAP	Turnover	My Purchases		My Sales		My Net	
			Qty	Price		Price	Qty				Price	Qty	Time			Qty	Price	Qty	Price	Qty	Position
● PH-14	14:00 - 15:00	13.00																			
● PH-15	15:00 - 16:00	14.00																			
● PH-16	16:00 - 17:00	15.00																			
● PH-17	17:00 - 18:00	16.00																			
● PH-18	18:00 - 19:00	17.00																			
● PH-19	19:00 - 20:00	18.00																			
● PH-20	20:00 - 21:00	19.00																			
● PH-21	21:00 - 22:00	20.00																			
● PH-22	22:00 - 23:00	21.00																			
● PH-23	23:00 - 00:00	22.00																			
Place Block Order		18.00																			
(PH-19 to PH-23)		19.00																			
20-20	20:00 - 21:00	19.00																			
20-21	20:00 - 22:00	19.00																			
21-21	21:00 - 22:00	20.00																			
22-22	22:00 - 23:00	21.00																			
● PH-24	00:00 - 01:00	23.00																			

By selecting the "Place Block Order" option the "Order entry tool tip", identical with those for the hourly orders appears. The parameters that must be input are the following:

The screenshot shows the IB EX Intraday interface for the MT 1.0.786-development version. The main table displays hourly products (PH-14 to PH-23) with their respective close prices. A modal window is open for placing a buy order for PH-19 to PH-23, showing fields for Quantity, Price, Expiry, and Label, along with a 'Place Buy' button.

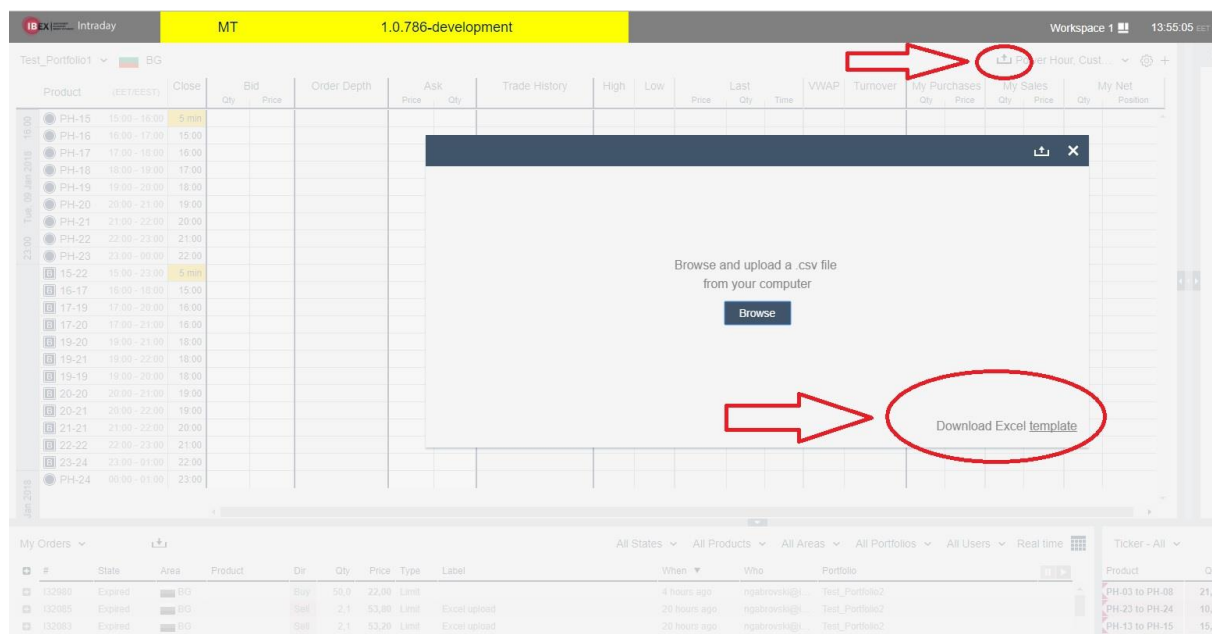
The meaning of the respective fields is identical to the respective fields of the hourly products registration.

All the registered block products are ordered by default after the last hourly product, available for trading for the respective delivery day:

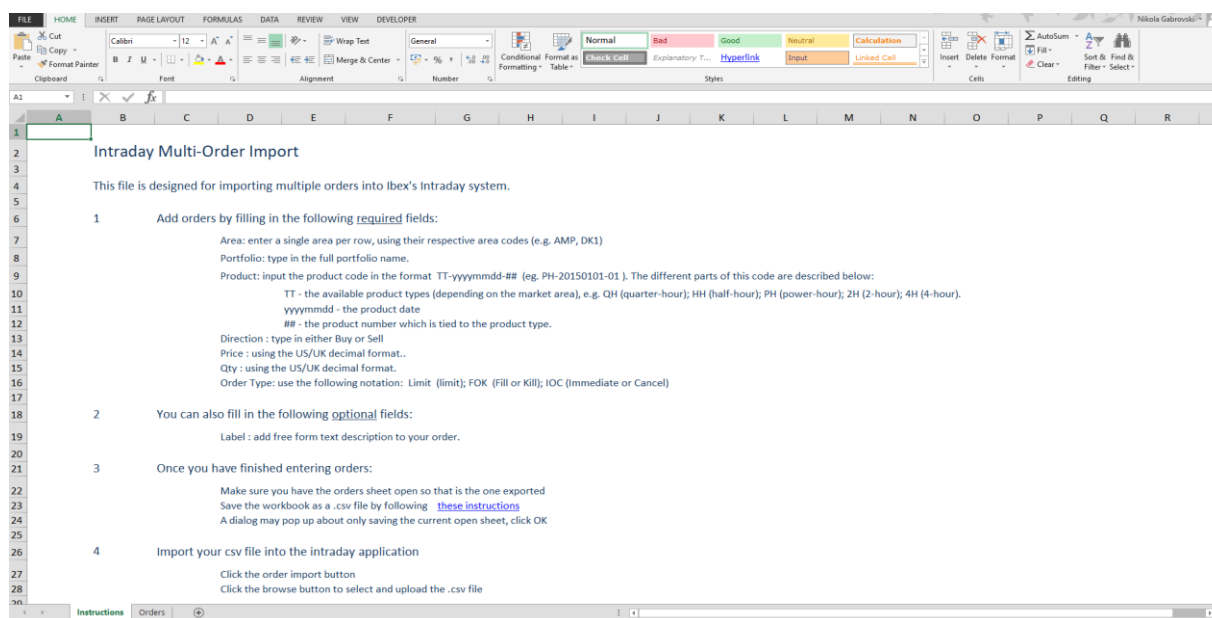
The screenshot shows the IB EX Intraday interface for the Test_Portfolio1. The table displays hourly products (PH-15 to PH-24) with their respective close prices. A red box highlights the block products (PH-15-22 to PH-23-24), and a red arrow points to them.

Orders registration by uploading a .csv file

The order registration into the ETS-ID could be performed also by the upload of the pre-completed file in the .CSV format (template). This template is available for the registered participants through the option in the upper right corner of the screen Market information. After selecting , the following window, containing the link for downloading the template, appears:

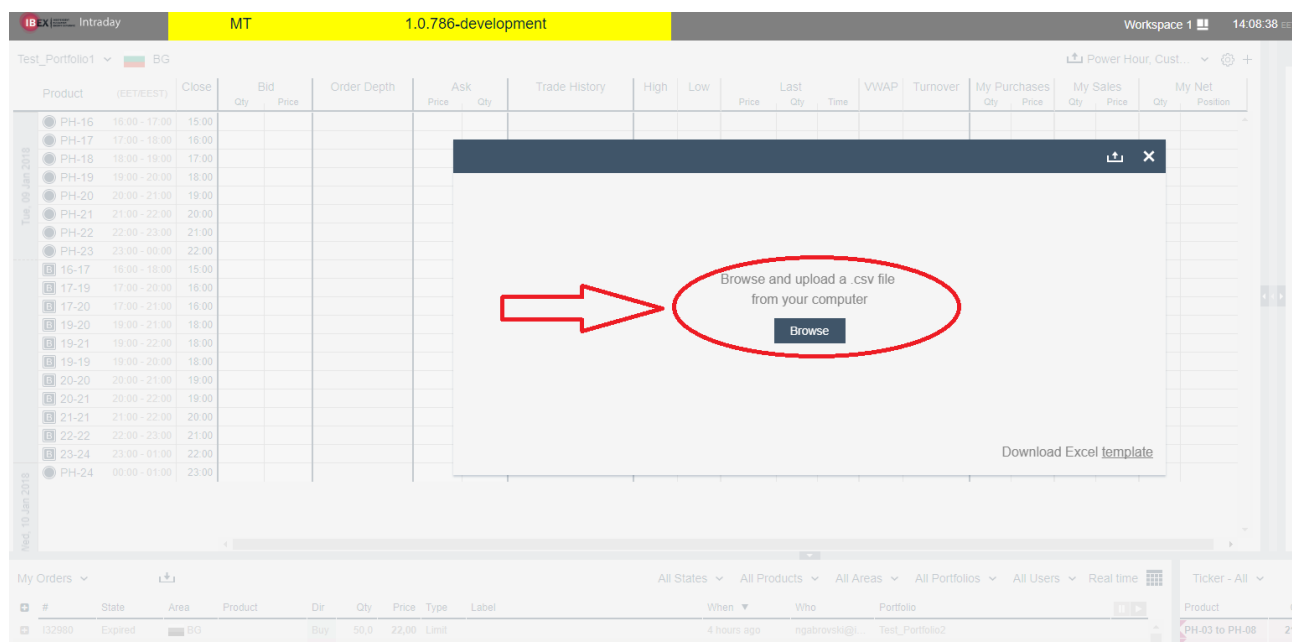


By selecting the link with "Download Excel template", the template in Excel format automatically appears. The template contains 2 work sheets – the first one with the instruction for filling up the second one, and the second one with the predefined table for completing the order:

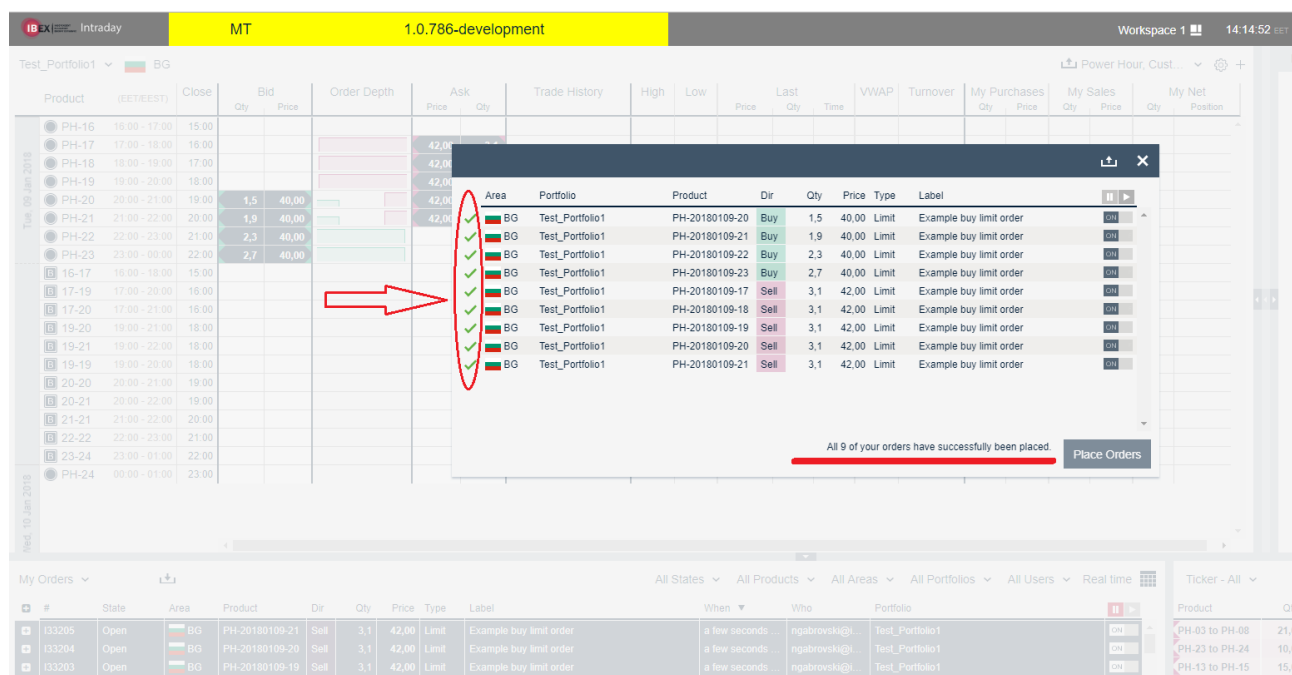


	A	B	C	D	E	F	G	H
1	Area	Portfolio	Product	Direction	Quantity	Price	Type	Label
2	TEST1	Test_Portfolio	PH-20150804-99	Buy	1,5	1,5	Limit	Example buy limit order, please remove
3								
4								

After completing the order, following the instruction in the first working sheet, is necessary to save the file in .CSV format. Than you should select the file for upload it by the same menu:



After the “upload” into the ETS-ID, the automatic reasonability check of the completed orders will be triggered. It will look like in the window below:



When the user is willing to register deactivated orders, then prior to the selection of the “Place orders” button, he/she should choose the  option from the combination .

This way of order registration allows automatic registration of several orders simultaneously and for several different products.

Correction of already registered orders

The amendment/correction of already registered orders could be performed from each place in the trading system, where own order is visualized – for instance from the „Market information“, „My orders“ or „Order depth“ screens. The available options for order change/amendment from the different screens are the following:

From the “Market information” screen

Product	(EET/EEST)	Close	Bid Qty	Bid Price	Order Depth	Ask Price	Ask Qty
PH-16	16:00 - 17:00	15:00					
PH-17	17:00 - 18:00	16:00				42,00	6,2
PH-18	18:00 - 19:00	17:00				42,00	6,2
PH-19	19:00 - 20:00	18:00				42,00	6,2
PH-20	20:00 - 21:00	19:00	3,0	40,00		42,00	6,2
			3,8	40,00		42,00	6,2
			4,6	40,00			
			5,4	40,00			

There are the following options for order correction/amendment on this screen:

- **Match Bid:** This option generates sale order, which is satisfying the respective counter order fully, e.g. the trade is concluded;
- **Match Ask:** This option generates purchase order, which is satisfying the respective counter order fully, e.g. the trade is concluded;

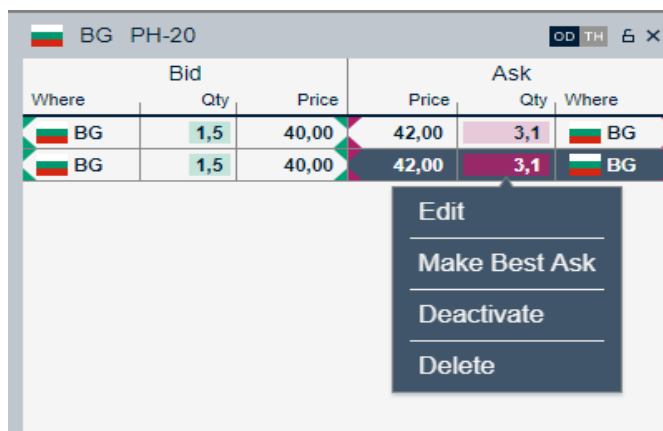
From „My orders“ screen

#	State	Area	Product	Dir
133260	Open	BG	PH-20180109-21	Buy
133261	Open	BG	PH-20180109-22	Buy
133262	Open	BG	PH-20180109-23	Buy
133255	Open	BG		Sell
133256	Open	BG		Sell
133257	Open	BG		Sell
133258	Open	BG		Sell
133254	Open	BG		Sell

There are the following options for order correction/amendment on this screen:

- **Edit:** This option allows access to all the details of the respective order, and thus, to the possibility for corrections;
- **Deactivate:** Order deactivation, where all its characteristics remain the same;
- **Delete:** Order cancellation;

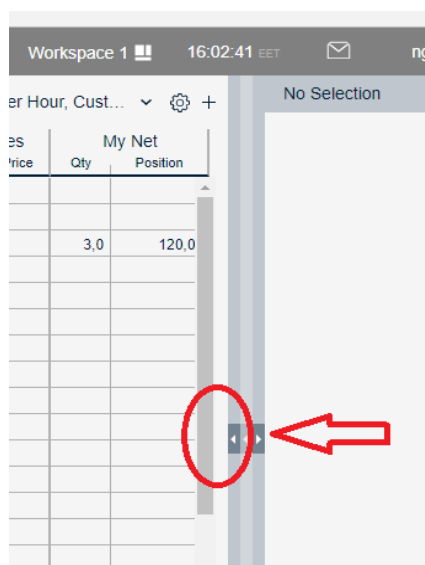
From „Order depth“ screen



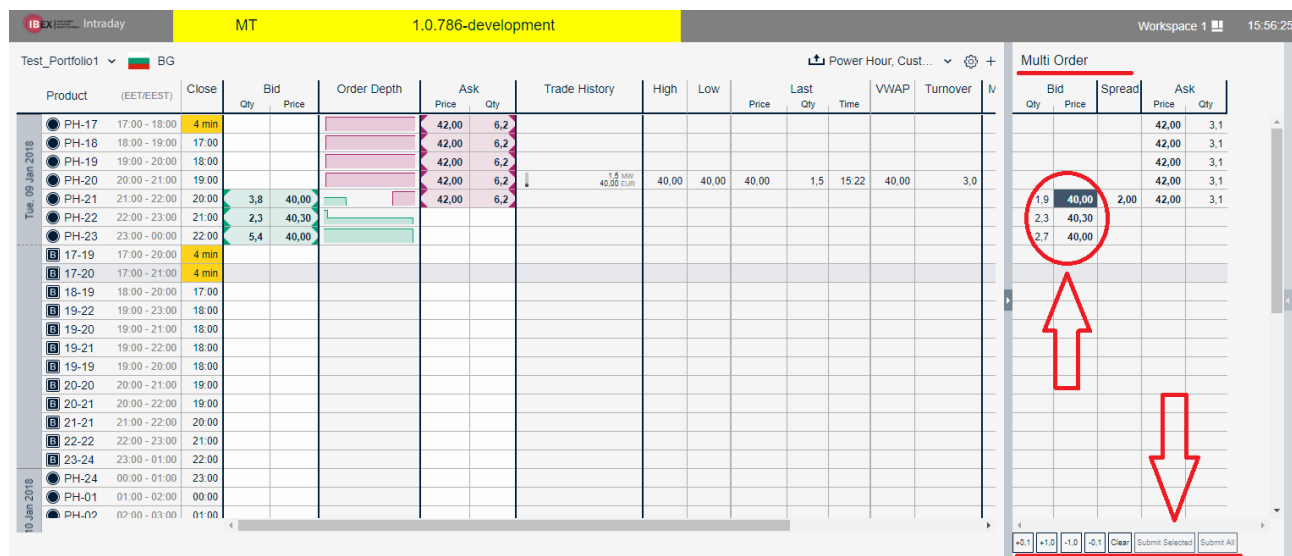
There are the following options for order correction/amendment on this screen, besides the ones on the previously described screens:

- **Make best Ask/Bid:** Automatic correction of the order price in the way that it turns to be the best order on the respective market side. This is performed by adding (or subtracting) 0,1 EUR to/from the previous best one.

Other possibility for correction/amendment of already registered order is by opening the so called "Multi order" screen. This could be performed by selecting the arrow in the middle of the working screens (between the Market information and the Order depth screens):



The screen that becomes available has the following appearance:



The additional functionalities that this screen is offering are related to the possibility for multi orders correction based on the calculated and visualized "Spread", as well as by using the buttons in the bottom of the screen. After registering the necessary changes to the order/s, the participant should confirm the conducted corrections by selecting "Submit all" or "Submit selected".

Trades conclusion

All the trades on this market segment and in the ETS-ID are concluded through the so called "auto-matching" or "click trading" principles. With "auto-matching" in case of mutually matching orders, the trade is automatically concluded on the initiator's order's price. With "click trading", through the options "Match Bid" and "Match Ask" the counter order is generated that is transformed automatically and immediately into trade.

If certain participant wants to conclude a trade with a counter order, but for the part of the ordered quantity, then he/she must select the options "Match Bid" or "Match Ask" and before selecting the "Place Sell" or "Place Buy", the respective quantity should be corrected:

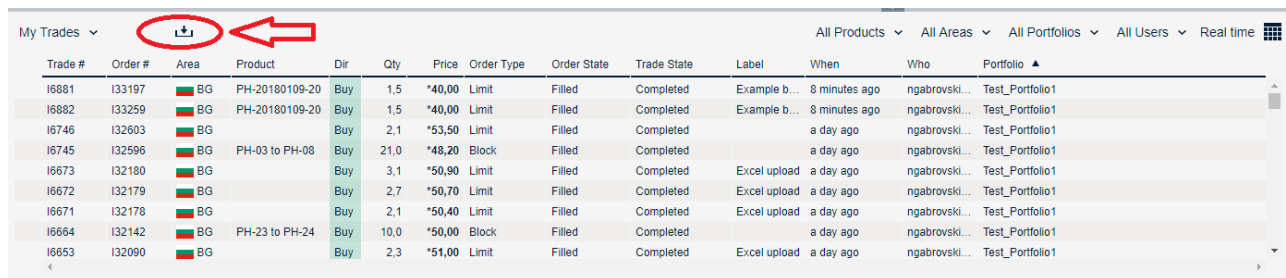
Product	(EET/EEST)	Close	Price	Order Depth	Ask	Trade History	High	Low	Last	Price	Qty	Time
PH-17	17:00 - 18:00	16:00			42,00	6,2						
PH-18	18:00 - 19:00	17:00			42,00	6,2						
PH-19	19:00 - 20:00	18:00			42,00	6,2						
PH-20	20:00 - 21:00	19:00	40,00		42,00	6,2						

PH-20180109-20 on Test_Portfolio1

Buy Sell Limit FoK IoC IBO Quantity 2,0 MW Price 40,0 EUR Expiry Never Label None Place Sell

Reports and “data download” possibility

The ETS-ID is offering possibility for downloading information in Excel format through the screens „My orders / My Trades“. This could be performed by clicking the  button in the upper left corner of the screen:



The screenshot shows the 'My Trades' interface. At the top left, there is a dropdown menu labeled 'My Trades' and a download icon (a square with a downward arrow) circled in red. A red arrow points from the text in the paragraph above to this icon. The main area contains a table with the following columns: Trade #, Order #, Area, Product, Dir, Qty, Price, Order Type, Order State, Trade State, Label, When, Who, and Portfolio. The table lists several trades, including those for PH-20180109-20 and PH-03 to PH-06.

Trade #	Order #	Area	Product	Dir	Qty	Price	Order Type	Order State	Trade State	Label	When	Who	Portfolio
16881	133197	BG	PH-20180109-20	Buy	1,5	*40,00	Limit	Filled	Completed	Example b...	8 minutes ago	ngabrovski...	Test_Portfolio1
16882	133259	BG	PH-20180109-20	Buy	1,5	*40,00	Limit	Filled	Completed	Example b...	8 minutes ago	ngabrovski...	Test_Portfolio1
16746	132603	BG		Buy	2,1	*53,50	Limit	Filled	Completed		a day ago	ngabrovski...	Test_Portfolio1
16745	132596	BG	PH-03 to PH-06	Buy	21,0	*48,20	Block	Filled	Completed		a day ago	ngabrovski...	Test_Portfolio1
16673	132180	BG		Buy	3,1	*50,90	Limit	Filled	Completed	Excel upload	a day ago	ngabrovski...	Test_Portfolio1
16672	132179	BG		Buy	2,7	*50,70	Limit	Filled	Completed	Excel upload	a day ago	ngabrovski...	Test_Portfolio1
16671	132178	BG		Buy	2,1	*50,40	Limit	Filled	Completed	Excel upload	a day ago	ngabrovski...	Test_Portfolio1
16664	132142	BG	PH-23 to PH-24	Buy	10,0	*50,00	Block	Filled	Completed		a day ago	ngabrovski...	Test_Portfolio1
16653	132090	BG		Buy	2,3	*51,00	Limit	Filled	Completed	Excel upload	a day ago	ngabrovski...	Test_Portfolio1

Terms and notes