

BATS Chi-X Europe is committed to developing the best online data and tools to make doing business with us easy. For straightforward order look-up capabilities, port monitoring, price improvement data, trading statistics and market share information, BATS Europe has created the Online Participant Portal—a comprehensive suite of value-added tools designed specifically to give Participants easy, online access to the information they need.

Below is an overview of our Online Participant Portal features available for the BATS Europe order book.

Ports Dashboard

The BATS Europe Ports Dashboard provides real-time port information that can help Participants maximise their trading activity on the BATS Europe order book and improve operational efficiency. Using the dashboard, Participants can track how much traffic each port receives, the provider of the port, the IP addresses and other port details, all in real-time.

Port Status										
This page updates automatically once per minute. Double click a port to view additional detail.										
Slough										
Filter: Active Ports All Types <input type="checkbox"/> Disable Automatic Updates Statistics Period: Last 5 minutes Export										
Name	IP port	State	Open Orders (Current)	Orders (Total)	Rejects (Total)	TCP Retrans (Total)	IP Address	Provider	Trade Group	Last Connection
DROP										(2)
0003	00000	Ready	-	-	-	0	00.000.00.0	Radianz		> 2 weeks
FIX (Total Open Orders: 1072)										(4)
0001	00000	Ready	1	598	0	0	00.000.0.000	Private Line Ethernet		> 2 weeks
PITCH										(1)
0010	00000	Ready	-	-	-	13	00.000.0.000	Private Line Ethernet	TEST	> 2 weeks

Real-Time Latency Monitoring

This service allows customers to analyse order efficiency and address issues immediately by monitoring order latency in real-time via a dashboard. Participants also receive overall order book latency statistics, so they know how they compare to average speeds.

BATS Europe Latency Statistics																
About these stats Refresh Download CSV															* All latency numbers are in microseconds	
		Order to Ack				Cancel to Out				Order to Quote				TCP Ack from Participant		
Path	Port ID	IP Port	count	avg(min)	avg	stdev	count	avg(min)	avg	stdev	count	avg(min)	avg	stdev	avg(min)	
1G	0001	10981	61,519	103	130	31	56,616	85	111	35	57,233	117	145	36	69	
1G	0002	10982	58,765	102	128	31	54,264	84	109	30	54,989	115	143	34	69	
1G	0003	10983	52,767	103	129	32	46,919	85	111	31	47,653	116	145	44	69	

Order Lookup

When Participants need to access their order information, they can quickly search for and generate specific order status and detailed execution information. Results can be sorted by a variety of fields.

Timestamp	Order Id	Client Order ID	MPID	Symbol	Side	Size	Price	Type
2010-07-19 09:35:09.98455	AJ279000AG2Y	1234567-8910	1	SPY	Buy	100	107.2200	Limit
2010-07-19 09:35:09.99010	AJ279000AG4N	1234567-8910	1	SPY	Buy	100	107.2200	Limit

Trade Data

The Trade Data tool in the Online Participant Portal allows Participants to download trade data for the current and previous days with the option to view a detail of their hidden liquidity. This dynamic data can be downloaded in human-readable CSV or DROP CSV formats, and can be scheduled for automated download.

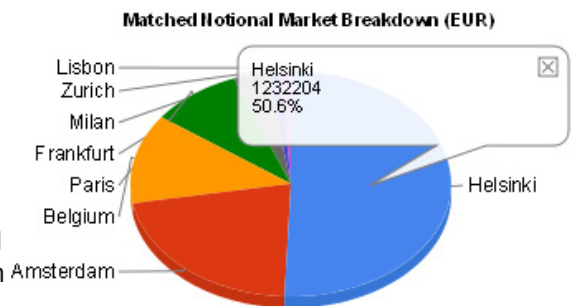
Current Activity

The Current Activity tool shows Participants their daily trading activity. The tool provides an instant snapshot of symbols, total volume, added/removed volume, routed volume, positions and buy/sell volume. Participants can download data to save as needed.

	Symbol	Volume ▾	Added	Removed	Routed	Position	Buy Vol	Sell Vol
Total:		€31,502,899	€12,439,618	€19,063,282	€0	-1,894,311	1,524,345	3,418,656
1	XTAI	€3,392,524	€1,839,857	€1,552,667	€0	-190,081	0	190,081
2	KPNa	€1,427,084	€336,291	€1,090,794	€0	-45,966	41,056	87,022

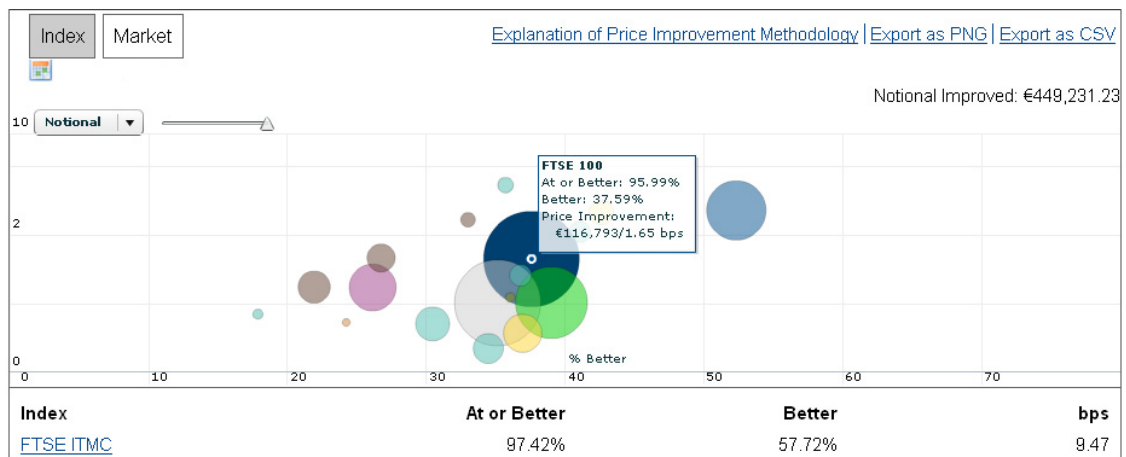
Statistics & Ranking

For Participants that need a straightforward method to track their firm's volume and order efficiency, BATS Europe has created a ranking tool that provides the firm's overall ranking, ranking by market or index, shares added or removed, and total notional value of trades. Participants can search by date and download to save. Rankings within various markets are only available to participants who exceed €100,000 total notional turnover in that market. Overall rankings are only available if you receive at least one ranking within a market.



Price Improvement

The price improvement tool displays the symbol price Participants receive for orders executed on the BATS Europe order book compared to the Primary market. This information helps Participants ensure they are meeting best execution requirements.



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