



Bloomberg Execution Management Systems

EMSX, TSOX & BTCA

Achim Gloger & Christian Dietmann

AGENDA

- KEY BENEFITS
- WORKFLOW
- PRODUCTS SUITE



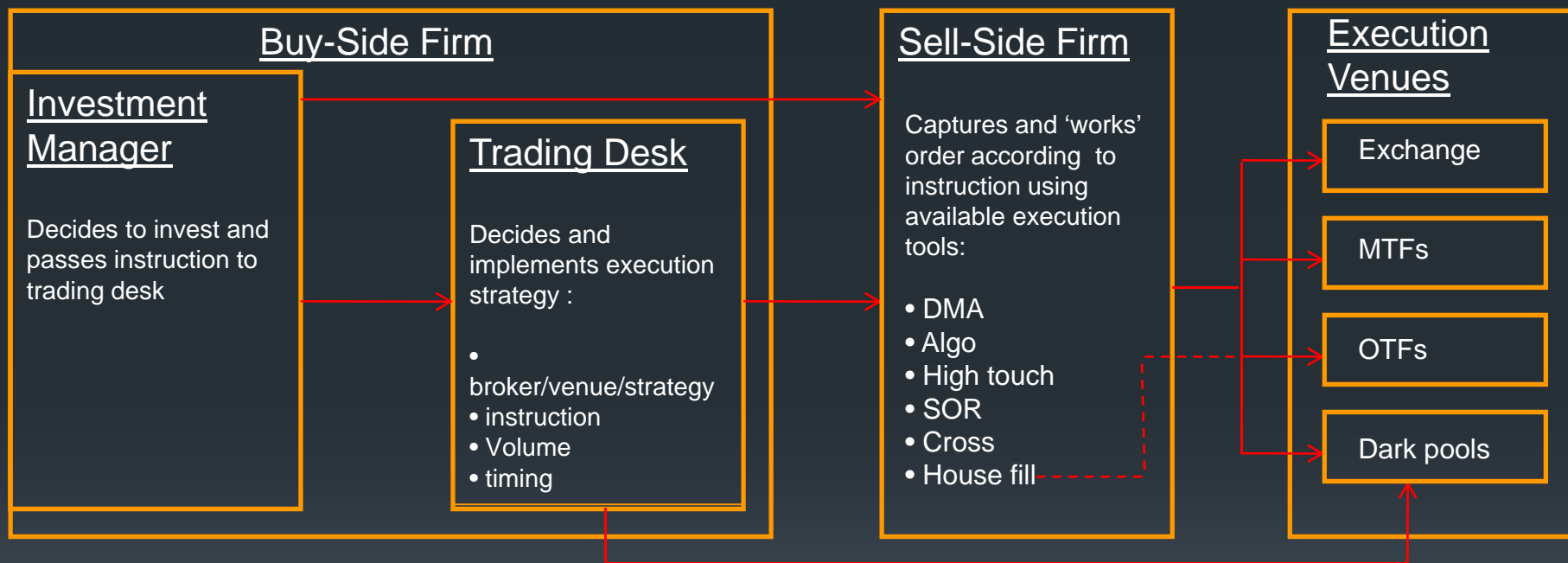
KEY BENEFITS



1. Minimise Operational Risk
2. Workflow helps to meet Compliance Requirements
3. Largest broker network 2,700+ brokers
4. Leverage of embedded terminal analytics/solutions:
 - News
 - Launchpad
 - Access to Pre-Trade and Real-Time TCA to measure and enhance trade performance
 - RFQE
5. Free integration solutions (staging/drop copy)
6. Zero cost for the brokers
7. Integration to Dark Pool providers

WORKFLOW

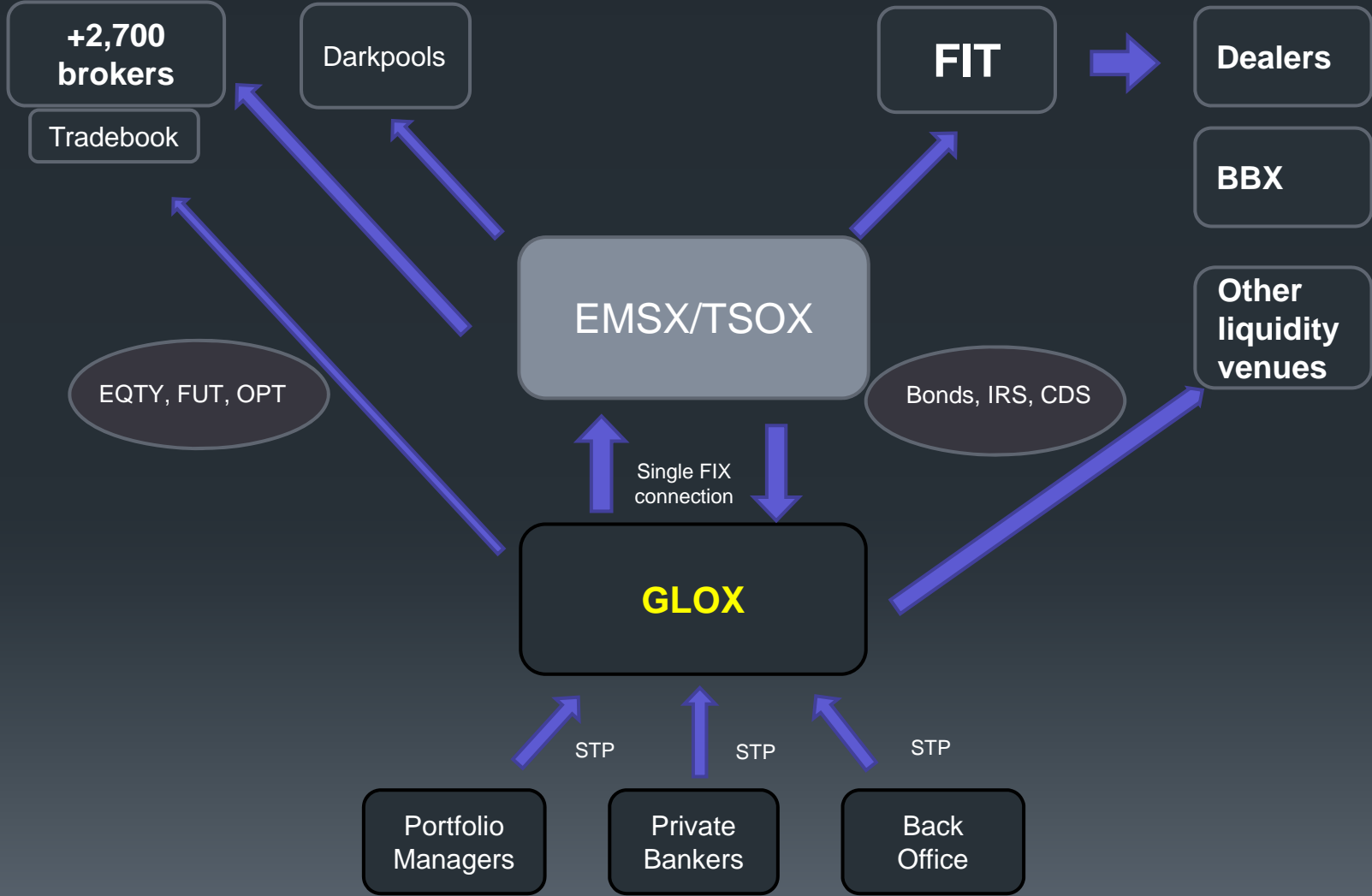
Trade Lifecycle



Time



WORKFLOW



PRODUCTS SUITE



- EMSX (17,000+ users)
- TSOX (3,000+ users)
- IOI's & **RANK***
- EMSxNET
- EMSX Desktop API & **Server API**
- DARKPOOLS
- APP PORTAL (e.g. Bernstein Pairs)
- RFQ for Options & ETF's
- **BTCA**

* Premium (fee-based) products

PRODUCTS SUITE

EMSX : pre-trade analytics

- ORDER PANEL
- IOIA
- RANK
- AVGV
- TCA
- VWAP
- MDM

DAI GR € ↑ 85.47 +.778 M85.45 / 85.47I 142x250
 At 13:59 d Vol 1,480,589 0 84.75D H 85.66Y L 84.33Y Val 126.167M

DAI GR Equity 1) Settings 2) Views 3) Info IOI & Advert Overview

IOIs	R	N	Buyers	Sellers
14:14			RBC GB 75,000	
14:13r			SG 38,900	
14:11r			SG 9,725	
14:11r			SG 19,450	
14:11r			SG 58,350	
14:05r			BCAP 100,000	
14:05r			RCAP 100,000	



Order Panel Buy 500 BNP FP Equity

Price 2D €38.12 1D %Chg & Rel Performance 20D -4.13% -1.30% Volume & Rel Performance 1D +68.2% +3.00%

News Events Next Earnings 81 Days Major News Corp Actions Press

MSG-IB OLIVER KAYSER, BLOOMBE... Re:Fwd:EMEA Highlights OLIVER KAYSER, BLOOMBE... Fwd:EMEA Highlights PETER JOHNSTON, BLOOMBE... Fwd:EMEA Highlights

Transaction Cost Part. End Time Tot. Cost Close MktClose 18.4 5% 14:55 3.3 15% 14:55 6.3 25% 14:55 9.2 Block 1.5

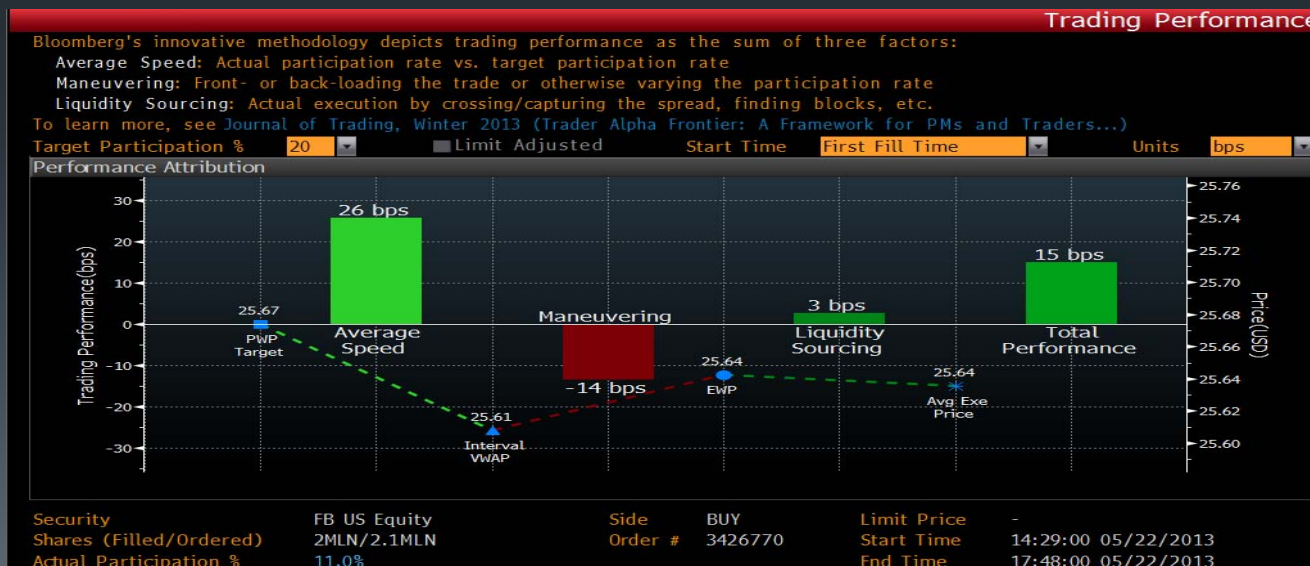
IOI 16 Buyers 11 Sellers Better than Limit -

IOI	Buyers	Sellers
NOMR	89.88k	PGD
JPM	50k	PGD(L)
NOMR	33.71k	PGD
JPM	25k	PGD(L)

PRODUCTS SUITE

EMSX: real time analytics

- Launchpad
- Darkpool
- Real-Time TCA (columns)
- Performance Attribution
- IGPO
- linked NEWS



PRODUCTS SUITE

TSOX: pre-trade analytics

- PEX
- LQA
- ALLQ
- IMGR/QMGR



TSOX staging		Activity Panel	List Monitor	Blotter																																																												
<table border="1"> <thead> <tr> <th>Broker</th> <th>Status</th> <th>Action</th> <th>Leave</th> <th>IB</th> <th>Security</th> <th>Settle Date</th> <th>SB</th> <th>Av P></th> <th>Side</th> <th>Qty (M)</th> <th>BBX</th> <th>BBX Action</th> <th>BBX S</th> </tr> </thead> <tbody> <tr> <td>D1</td> <td>NEW</td> <td>Send</td> <td>Leave</td> <td>IB</td> <td>FRTR 1 11/25/25</td> <td>2/15/2016</td> <td></td> <td>0</td> <td>SELL</td> <td>2M</td> <td></td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>NEW</td> <td>Send</td> <td>Leave</td> <td>IB</td> <td>RENAUL 5 3/8 03/22/17 FHTN</td> <td>2/12/2016</td> <td></td> <td>0</td> <td>BUY</td> <td>1M</td> <td></td> <td>BBX Add</td> <td></td> </tr> </tbody> </table>					Broker	Status	Action	Leave	IB	Security	Settle Date	SB	Av P>	Side	Qty (M)	BBX	BBX Action	BBX S	D1	NEW	Send	Leave	IB	FRTR 1 11/25/25	2/15/2016		0	SELL	2M				D3	NEW	Send	Leave	IB	RENAUL 5 3/8 03/22/17 FHTN	2/12/2016		0	BUY	1M		BBX Add																			
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PRODUCTS SUITE

TSOX: Electronification

- RFQ
- Leave Orders
- IB Negotiation
- VCON Matching
- BBX (ALLtoALL)

DBR 2 ½ 01/04/21 Corp 1) Send (VCON)

02/11/2016 15:37 Trade Date 02/11/16

Trade Information

Trader CHRISTIAN DIETMANN

At BLOOMBERG/ LONDON

To PATRICK DUMONT (BLOOMBERG/ LONDON)

9) SELL 10M | M of DBR 2 ½ 01/04/21

Price 103.000000 Yield 1.851548

Settlement 02/15/16

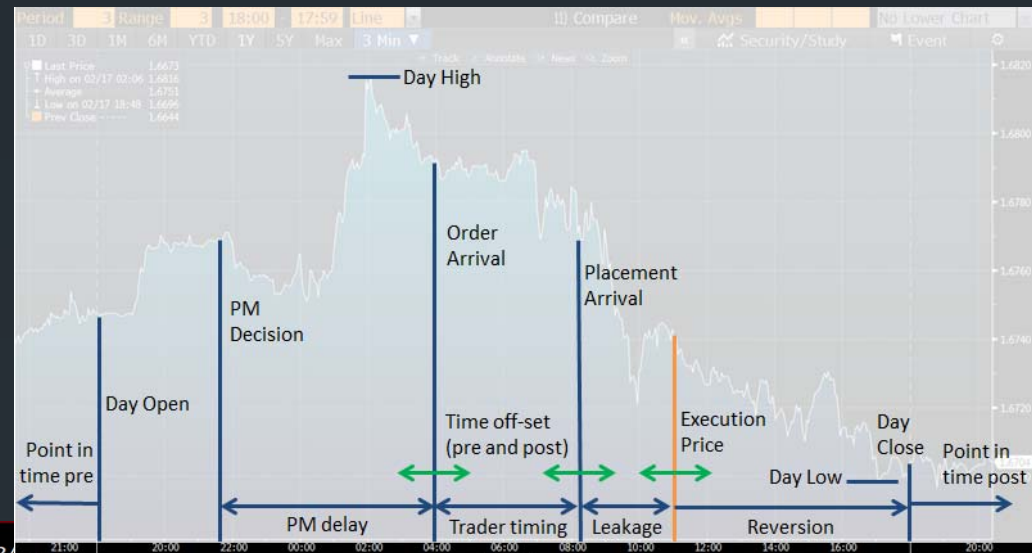
Staging Blotter

Status	Action	Leave	IB	Security	Settle Date	SB	Av P>Side	Qty (M BBX)	BBX Action
NEW	Send	Leave	IB	FRTR 1 11/25/25	2/15/2016	✓	0 SELL	2M	
NEW	Send	Leave	IB	RENAUL 5 5/8 03/22/17 EMTN	2/12/2016	✓	0 BUY	1M	BBX Add

PRODUCTS SUITE

BTCA: Trade surveillance

- BEST EXECUTION
- MARKET ABUSE
- MULTI ASSET
 - EQUITIES/ETFs
 - FUTURES
 - FIXED INCOME
 - FX
 - Soon (IRS,CDS,Options)



Contact details



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