

MAINFIRST



LIST OF EXECUTION VENUES

MAINFIRST AFFILIATED
FUND MANAGERS
(DEUTSCHLAND) GMBH

10.2019

List of Execution Venues

Status 30.10.2019, this list can be adapted from time to time and is available at the registered office of the Company or/and may be obtained free of charge.

| Execution Venue ex SIs | MIC |
|--|-------|
| Athens Derivatives Exchange (ADEX) | ADEX |
| LONDON STOCK EXCHANGE - AIM MTF | AIMX |
| EURONEXT GROWTH BRUSSELS | ALXB |
| EURONEXT GROWTH PARIS | ALXP |
| AQUA | AQUA |
| Aquis | AQXE |
| ARCA DARK | ARCD |
| NYSE ARCA | ARCX |
| Australian Securities Exchange (ASX) | ASX |
| AUSTRALIAN STOCK EXCHANGE | ASX24 |
| ASX Centre Point | ASXC |
| BAML Instinct X | BAML |
| Barclays LX | BARX |
| BATS | BATD |
| BATS | BATE |
| BATS EUROPE ± BATS OFF-BOOK | BATF |
| BATS Periodic Auction | BATP |
| BATS BZX | BATS |
| BATS BYX | BATY |
| BBG MTF | BMTF |
| BIDS | BIDS |
| INSTINET BLOCKCROSS | BLKX |
| Instinet BlockMatch | BLOX |
| Baltex Freight Derivatives Market (BLTX) | BLTX |

| Execution Venue ex SIs | MIC |
|---|-------|
| BOLSA DE MERCADORIAS & FUTUROS | BM&F |
| Bursa Malaysia Derivatives (BMD) | BMD |
| BM&F Bovespa* (BOLSA) | BOLSA |
| NASDAQ OMX BX DARK | BOSD |
| Boston Options Exchange* (BOX) | BOX |
| BLOCKMATCH MTF RFQ | BRFQ |
| BATS Y-EXCHANGE DARK | BYXD |
| BATS Exchange* (BZX) | BZX |
| BATS Z - EXCHANGE DARK | BZXD |
| Credit Suisse Crossfinder | CAES |
| CITIBLOC | CBLC |
| C2 Options Exchange* (CBOE) | CBOE |
| Chicago Board of Trade* (CBOT) | CBOT |
| CBOE STOCK EXCHANGE | CBSX |
| CITADEL CONNECT EUROPE - SYSTEMATIC INTERNALISER | CCEU |
| Citadel Connect | CDED |
| CBOE Futures Exchange (CFE) | CFE |
| China Financial Futures Exchange (CFFEX) | CFFEX |
| CITI MATCH | CGME |
| Chi-X Australia | CHIA |
| Chi-X | CHIC |
| Chi-X Delta | CHID |
| Chi-X Japan | CHIJ |
| Chi-X | CHIX |
| CitiCross | CICX |
| Chicago Mercantile Exchange (CME) | CME |
| Commodity Exchange (COMEX) | COMEX |
| DEUTSCHE BANK AG OPERATING MARKET CODE FOR EU SYSTEMATIC INTERNALIS | DBES |
| Deutsche Bank ATS | DBSX |

| Execution Venue ex SIs | MIC |
|---|--------|
| Dalian Commodity Exchange (DCE) | DCE |
| NASDAQ COPENHAGEN A/S - NORDIC@MID | DCSE |
| NASDAQ HELSINKI LTD - NORDIC@MID | DHEL |
| Dubai Mercantile Exchange (DME) | DME |
| FIRST NORTH DENMARK - NORDIC@MID | DNDK |
| FIRST NORTH FINLAND - NORDIC@MID | DNFI |
| FIRST NORTH SWEDEN - NORDIC@MID | DNSE |
| NASDAQ STOCKHOLM AB - NORDIC@MID | DSTO |
| EDGX EXCHANGE DARK | EDDP |
| BATS EDGA Exchange | EDGA |
| EDGA EXCHANGE DARK | EDGD |
| BATS EDGX Exchange | EDGX |
| LSE DERIVATIVES | EDX |
| European Energy Exchange (EEX) | EEX |
| Electronic Liquidity Exchange (ELX) | ELX |
| ENDEX | ENDEX |
| EURONEXT BRUSSELS | ENX-BE |
| EURONEXT PARIS | ENX-FR |
| EURONEXT AMSTERDAM | ENX-NL |
| EURONEXT LISBON | ENX-PT |
| BOERSE BERLIN EQUIDUCT TRADING - REGULIERTER MARKT | EQTA |
| BOERSE BERLIN EQUIDUCT TRADING - BERLIN SECOND REGULATED MARKET | EQTB |
| BOERSE BERLIN EQUIDUCT TRADING - FREIVERKEHR | EQTC |
| MILAN - ELECTRONIC ETF, ETC/ETN, FUND MARKET | ETFP |
| EUREX | EUREX |
| Eurex* (EX) | EX |
| LCH ENCLEAR | FFTFW |
| FIRST NORTH DENMARK | FNDK |
| FIRST NORTH FINLAND | FNFI |

| Execution Venue ex SIs | MIC |
|---|--------|
| FIRST NORTH SWEDEN | FNSE |
| Futures and Options on Russian Trading System (FORTS) | FORTS |
| KCG AMERICAS LLC | GTCO |
| Hong Kong Exchanges and Clearing Ltd (HKEx) | HKEx |
| Instinet CBX | ICBX |
| ICE Futures Europe (ICE EU) | ICE EU |
| ICE FUTURES SINGAPORE | ICESG |
| Borsa Italia (IDEM) | IDEM |
| INVESTORS EXCHANGE - DARK | IEXD |
| IEX Group | IEXG |
| ICE FUTURES CANADA | IFCA |
| ICE FUTURES EUROPE | IFEU |
| ICE FUTURES US | IFUS |
| NASDAQ OMX COMMODITIES | IMAREX |
| International Securities Exchange* (ISE) | ISE |
| ITG Posit | ITGI |
| JP Morgan JPM-X ATS | JPMX |
| JAPAN EXCHANGE (TSE & OSE) | JPX |
| Johannesburg Stock Exchange (JSE / SAFEX) | JSE |
| JANE STREET EXECUTION SERVICES LLC | JSES |
| Jane Street | JSJX |
| KCG Acknowledge | KNLI |
| KCG MatchIt | KNMX |
| Korea Exchange (KRX) | KRX |
| Level ATS | LEVL |
| ICE FUTURES EUROPE | LIFFE |
| LIQUIDNET SYSTEMS | LIQU |
| CBOE EUROPE - LIS SERVICE | LISX |
| Liquidnet | LIUH |

| Execution Venue ex SIs | MIC |
|---|---------|
| London Metal Exchange (LME) | LME |
| London Stock Exchange | LSE |
| Omega Lynx | LYNX |
| MATCH Now ATS | MATN |
| NASDAQ COPENHAGEN A/S – AUCTION ON DEMAND | MCSE |
| MONTREAL EXCHANGE | ME |
| Mercado Espanol de Futuros Financieros (MEFF) | MEFF |
| MEFF | MEFF RV |
| MERKUR MARKET | MERK |
| Mexican Derivatives Exchange (MexDer) | MexDer |
| Minneapolis Grain Exchange (MGEX) | MGEX |
| NASDAQ HELSINKI LTD – AUCTION ON DEMAND | MHEL |
| MICEX | MISX |
| BANK OF AMERICA - MERRILL LYNCH OTC | MLCO |
| MLI INSTINCT X SI | MLIX |
| MLI INSTINCT X SI RFQ | MLRQ |
| BANK OF AMERICA - MERRILL LYNCH VWAP CROSS | MLVX |
| FIRST NORTH DENMARK – AUCTION ON DEMAND | MNDK |
| FIRST NORTH FINLAND – AUCTION ON DEMAND | MNFI |
| FIRST NORTH SWEDEN – AUCTION ON DEMAND | MNSE |
| Morgan Stanley Pool | MSPL |
| NASDAQ STOCKHOLM AB – AUCTION ON DEMAND | MSTO |
| Borsa Italiana | MTAA |
| Montreal Exchange (MX) | MX |
| NSDQ DARK | NASD |
| Aequitas Exchange | NEOE |
| NASDAQ FUTURES EXCHANGE | NFX |
| Natural Gas Exchange Inc. (NGX) | NGX |
| NASDAQ Options Market* (NOM) | NOM |

| Execution Venue ex SIs | MIC |
|--|----------|
| NASDAQ OMX COMMODITIES | NORDPOOL |
| National Stock Exchange of India Ltd. (NSE) | NSE |
| Millennium | NYFX |
| NYMEX (NY Mercantile Exchange) | NYMEX |
| NYSE DARK | NYSE |
| Omega ATS | OMGA |
| NASDAQ OMX Nordic (OMX) | OMX |
| NASDAQ OMX NLX | OMX NLX |
| NASDAX OMX STOCKHOLM | OMX STO |
| NASDAQ OMX COPENHAGEN | OMXCPH |
| NASDAQ OMX HELSINKI | OMXHEL |
| ONE CHICAGO | ONEC |
| FIRST NORTH SWEDEN - NORWAY | ONSE |
| Osaka Securities Exchange (OSE) | OSE |
| WEINER BOURSE | OTOB |
| Weiner Borse.AT (OTOM) | OTOM |
| PDQ ATS DARK | PDQD |
| PDQ ATS | PDQX |
| Blockcross | PULX |
| Pure Exchange | PURE |
| GreTai | ROCO |
| SAFEX | SAFEX |
| Japannext | SBIJ |
| Goldman SigmaX | SGMA |
| SIGMA X2 | SGMT |
| SIGMA X MTF | SGMX |
| SIGMA X MTF - AUCTION BOOK | SGMY |
| Singapore Exchange Derivatives Trading Limited (SGX) | SGX |
| Shanghai Futures Exchange (SHFE) | SHFE |

| Execution Venue ex SIs | MIC |
|---|---------|
| CREDIT SUISSE SECURITIES (EUROPE) LIMITED - SYSTEMATIC INTERNALISER | SICS |
| Two Sigma | SOHO |
| Taiwan Futures Exchange (TAIFEX) | TAIFEX |
| TURKDEX | TDE |
| Thailand Futures Exchange (TFEX) | TFEX |
| Tokyo Financial Exchange Inc (TFX) | TFX |
| Tokyo Commodity Exchange, Inc. (TOCOM) | TOCOM |
| Turquoise | TRQA |
| Turquoise | TRQM |
| Turquoise | TRQX |
| Tokyo Stock Exchange (TSE) | TSE |
| Turkish Derivatives Exchange (TurkDEX) | TurkDEX |
| UBS ATS | UBSA |
| UBS PIN | UBSE |
| UBS PIN (US) | UBSP |
| UBS Cross | UBSX |
| Virtu Financial | VFCM |
| Wiener Borse AG | WBAH |
| WIENER BOERSE AG DRITTER MARKT | WBDM |
| WELLS FARGO LIQUIDITY CROSS ATS | WELX |
| Warsaw Stock Exchange (WSE) | WSE |
| AIM ITALIA - MERCATO ALTERNATIVO DEL CAPITALE | XAIM |
| Euronext Amsterdam | XAMS |
| NYSE MKT | XASE |
| ASX | XASX |
| ASE | XATH |
| TSX Alpha Exchange | XATS |
| BOLSA DE BARCELONA | XBAR |
| BOLSA DE VALORES DE BILBAO | XBIL |

| Execution Venue ex SIs | MIC |
|---|------|
| SET (Foreign) | XBKF |
| SET | XBKK |
| BSE | XBOM |
| NASDAQ OMX BX | XBOS |
| Euronext Brussels | XBRU |
| BSE | XBUD |
| Chicago Stock Exchange | XCHI |
| NATIONAL STOCK EXCHANGE, INC. | XCIS |
| OMX Copenhagen | XCSE |
| Chi-X CX2 | XCX2 |
| ISE | XDUB |
| Equiduct SpotVBBO | XEQT |
| IRISH STOCK EXCHANGE - ENTREPRISE SECURITIES MARKET | XESM |
| XETRA - REGULIERTER MARKT | XETA |
| Xetra - FREIVERKEHR | XETB |
| Deutsche Borse | XETR |
| OMX Helsinki | XHEL |
| HKEX | XHKG |
| IDX | XIDX |
| Istanbul | XIST |
| JASDAQ | XJAS |
| Johannesburg | XJSE |
| BURSA | XKLS |
| KRX | XKRX |
| LATIBEX | XLAT |
| Euronext Lisbon | XLIS |
| LONDON STOCK EXCHANGE - MTF | XLOM |
| LSE | XLON |
| Mercato Continuo Espanol | XMAD |

| Execution Venue ex SIs | MIC |
|---|------|
| Madrid | XMCE |
| Milan | XMIL |
| DUBLIN - IRISH STOCK EXCHANGE - MAIN SECURITIES MARKET (MSM)- ISE X | XMSM |
| NASDAQ - ALL MARKETS | XNAS |
| Nordic Growth | XNGM |
| NASDAQ/NGS (GLOBAL SELECT MARKET) | XNGS |
| NASDAQ | XNMS |
| NSE | XNSE |
| NYSE | XNYS |
| OSLO BORS ASA - OSLO AXESS LIT X AUCTIONS | XOAA |
| OSLO AXESS NORTH SEA - DARK POOL | XOAD |
| OSLO AXESS | XOAS |
| OFF - EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS | XOFF |
| Oslo Bors ASA | XOLS |
| OSLO BORS - LIT X AUCTIONS | XOSA |
| SLO BORS NORTH SEA - DARK POOL | XOSD |
| Oslo Bors | XOSL |
| OTCBB | XOTC |
| POSIT AUCTION | XPAC |
| Euronext Paris | XPAR |
| NASDAQ OMX PHLX | XPHL |
| POSIT | XPOS |
| Prague | XPRA |
| NASDAQ OMX PSX | XPSX |
| Aktientorget | XSAT |
| SGX | XSES |
| SZSE | XSHE |
| SHSE | XSHG |
| Smartpool | XSMP |

| Execution Venue ex SIs | MIC |
|------------------------------------|------|
| Fidelity CrossStream | XSTM |
| OMX Stockholm | XSTO |
| SIX SWISS EXCHANGE - AT MIDPOINT | XSWM |
| SWX (SIXG) | XSWX |
| Tel Aviv | XTAE |
| TWSE | XTAI |
| TostNet | XTK1 |
| TSE | XTKS |
| TMX Toronto Stock Exchange | XTSE |
| TMX Venture Exchange | XTSX |
| XTX | XTXM |
| UBS MTF | XUBS |
| BOLSA DE VALENCIA | XVAL |
| Vienna | XVIE |
| VIRT-X | XVTX |
| Warsaw | XWAR |
| Vienna | XWBO |
| Zhengzhou Commodity Exchange (ZCE) | ZCE |