

# AME

The Aquis Matching Engine (AME) is a global, comprehensive solution for businesses seeking to operate either a public exchange or an internal matching system. Aquis Technologies' entire suite of technology products has been developed in-house and at its core is the Company's proprietary, state-of-the-art, scalable, and fault-tolerant matching engine.

## FAST • ROBUST • COST-EFFECTIVE

At a time of regulatory flux and in a tough trading environment, Aquis Technologies has developed a leading matching engine and associated products to help businesses that need cost-efficient technology and a highly personal and responsive service.

The matching engine's capabilities and performance are unequalled in the industry with average round trip latency measuring under 17µs in a wide range of market conditions.

The system provides the capabilities for trading a variety of asset classes and the matching engine is complemented by market surveillance tools, associated market operations functions and support, and data services. Aquis Technologies has been designed with flexibility and simplicity in mind. The highly adaptive architecture empowers the easy delivery of client-specific development and support cycles.

## KEY FEATURES AND BENEFITS

### Highly performant – consistently

Aquis Technologies offers highly performant products. Its matching engine has the industry's lowest latency. It can accommodate exceptionally high throughput and has in-built fault tolerance making it very robust and reliable.

### Fast deployment

Time to market is very quick for users as the platform is already developed, tested and is in operation. As a result, speedy configuration and implementation can be achieved. Furthermore, the system is simple to operate post installation.

### Regulatory compliance

Aquis Technologies supplies Aquis Exchange, the operator of a UK FCA regulated MTF. Therefore its products are fully compliant with the latest UK and European regulatory requirements. Also, they are designed to be updated in line with the constantly changing regulatory environment globally.

### Flexible

The core systems can be used for a broad range of asset classes, for both open and internal platforms and for lit and dark books.

### Customisable

The system is also fully customisable and modular so as to cater for the differing needs of users.

### Scalable

It is highly scalable so it can grow with the needs of its users and allows for high numbers of simultaneous trading connections and high transaction capacity.

### Service oriented

In addition to developing powerful tools, Aquis Technologies is a customer-focused, agile and highly responsive business. Furthermore, the matching engine can be hosted and managed by Aquis post installation, thus eliminating users' maintenance and staffing issues.

### Cost efficient

Aquis Technologies is a low cost solution for operators of exchanges or internal matching engines – saving the cost of in-house development and staffing.

### FIX

Full support for industry standard FIX protocol.

### Proprietary protocols

Proprietary protocols in a binary format allowing faster access to market and reduced bandwidth.

### Data

Industry standard multicast market data – ensuring fast and efficient distribution using a custom, optimised message structure.

### Best practice software

All the software is developed and implemented in C++ and JavaScript using engineering best practice.

### Architecture

The distributed architecture avoids trading and data bottle necks.

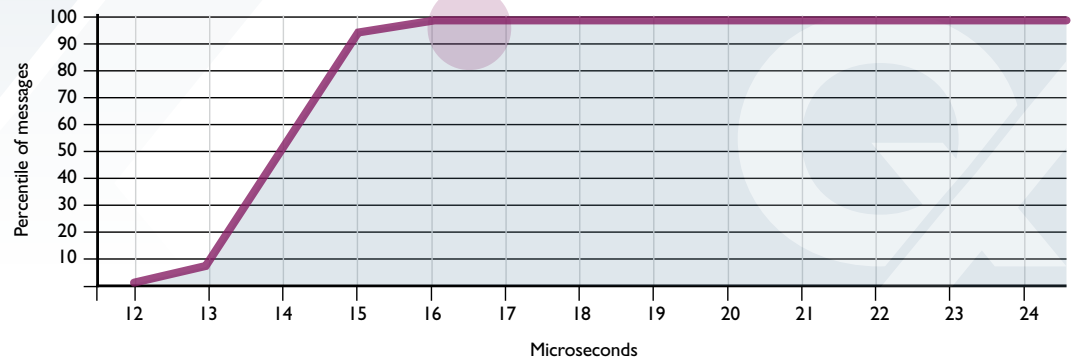
## OUTSTANDING PERFORMANCE

The Aquis Technologies binary protocol delivers industry-leading performance

- The system has been tested to an average message rate of 70,000 messages per second, based on 2,000,000 orders sent in under 30 seconds.
- This resulted in a round trip of 17 microseconds or shorter for 99.99% of all messages, on a single port.
- High predictability and consistency of response is assured.
- Degradation and jitter is kept to a minimum.
- Resiliences and fault-tolerances delivers high levels of availability.

## MATCHING ENGINE LATENCY DISTRIBUTION

The graph opposite shows that 99.99% of all messages on the Aquis Technologies matching engine have a round-trip latency of 17µs or below.



## FLEXIBILITY

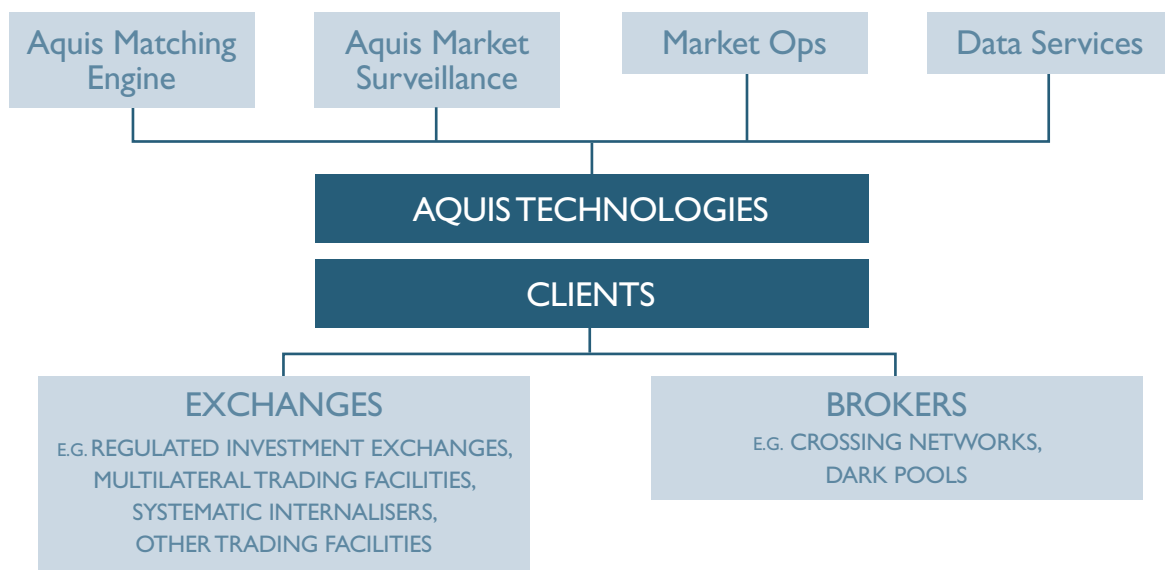
The Aquis Technologies matching engine offers unparalleled flexibility

- Any asset class
- Any market structure
- Lit or dark book
- Numerous order types
- Various protocols accepted
- Matching algorithms
- Various trading methods available
- Can be order/quote or hybrid

Aquis Technologies operates three fully segregated environments: a development environment, a customer testing (UAT) environment, and a production environment. Access to each of these environments is limited in accordance with IT security best practice.

Aquis Technologies supports full connectivity with Europe's leading interoperable equity CCPs.

## A COMPLETE TURNKEY SOLUTION FOR A VARIETY OF CLIENTS



## CONTACT DETAILS

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