

Setting a new standard for capacity and latency

Scalable to the highest levels of trading, the Genium INET trading platform is designed to be one of the fastest and most functionally complete multi-asset trading systems in the world, providing marketplaces with the competitive advantage needed to succeed in today's global markets.

The benefits are numerous. Genium INET offers superior performance, ultra low latency and robust functionality. Its many technical advantages and superb flexibility provide marketplaces with the vital tools needed to enable growth, increase performance and provide new business functionality.

The technology is proven. Genium INET incorporates market leading technology from both the former NASDAQ and OMX, marrying extraordinary performance and extensive functionality to meet the business and performance requirements of the future.

The Genium INET trading platform excels at meeting the needs of marketplaces with broad and diversified businesses and very high volumes.

Key benefits

Genium INET supports multi-asset trading on a single platform and is designed to offer the highest performance, lowest latency and most robust functionality of any commercially available trading system. Consider these benefits:

- **Ultra low and predictable latency:**

Offers blazing fast sub-250 microsecond order entry latency.

- **High volume capacity:**

Capacity is greater than 1,200,000* quotes/second or 250,000* orders/second.

- **Robust functionality:**

Designed based on the specialized knowledge gained from powering 70 marketplaces worldwide. Functionality ranges from order book management to market maker capabilities and incorporates an extremely flexible definition of financial instruments, markets and trading rules – easily supporting multiple market models.

- **Low total cost of ownership/commodity platform:**

Built on a low cost LINUX platform and run on a low maintenance commodity hardware base, Genium INET is

highly cost efficient to test, deploy, maintain and upgrade.

- **Integration with clearing:**

Provides seamless integration to Genium Clearing and can easily be integrated with any other system. Trading and clearing share the same database and operational tools, making an integrated system more efficient and easier and less costly to maintain than separate platforms.

- **Multi-asset class trading:**

Supports multiple markets simultaneously on a single platform – including all trading from traditional cash and fixed income securities, derivatives, commodities and energy contracts, and including cross-border trades. Supports any standard instrument as well as tailor made derivatives and combination strategies.

- **Standardized access:**

Provides a purpose built FIX package for marketplaces that promotes efficient connectivity, interoperability and automation. The OMnet protocol, currently in use at 50 ISVs, will also be offered as well as various de-facto standard protocols, primarily for post-trade processing.

- **Easy migration path:**

Protects most business functionality, API/integration and technical infrastructure investments of current CLICK XT customers – providing a convenient low-risk migration path.



*Projected numbers using five matching engine partitions.

Functional highlights

- **Superior instrument structure:**

Finely honed over more than 20 years, Genium INET's instrument structure has the flexibility to easily and quickly configure any security that can be electronically traded. New instruments can be added with ease and brought to market intraday.

- **Multi-market support in a single platform:**

Genium INET can support multiple exchanges and markets in different time zones and with different calendars on the same platform. This offers a growth path to open additional marketplaces without major new technology investments.

- **Complete market model support:**

Supports all conventional and combination market models on a single platform. The system can easily be configured to switch market models through a session transition and can run different models simultaneously to create hybrid models. Market model examples include all flavors of continuous trading, periodic auctions and request for quote. Matching can be done in price/time priority, inversed price/time priority or pro-rata allocated.

- **Comprehensive order type support:**

Supports all industry standard order types and facilitates on the fly mixing and matching of order type parameters, such as order duration (including day, good till cancelled, good till date and immediate or cancel) and quantity conditions, such as all or none or iceberg. Examples of order types supported include: limit order, market order, market-to-limit order and best limit order.

- **Exceptional combinations support:**

Genium INET incorporates a sophisticated rule based model to automatically generate combination strategies. Marketplaces benefit from the ability to easily configure combination rules to offer multiple types of strategies – such as straddles, strangles, collars, butterflies, and others. Strategies are automatically updated when, for example,

the at-the-money strike change or expiration date is reached. The system also supports implied order generation, which helps marketplaces maximize trading opportunities and increase liquidity in the market.

- **Extremely flexible market maker support:**

Genium INET provides for an above average number of parameters to set up market maker rules. This results in the ability to create very specific rules to meet the individual requirements of particular market makers. New rules can be applied immediately, providing maximum flexibility to adjust to the demands of the trading day. In addition, the system provides real-time supervision of market makers, enabling issues to be addressed immediately.



Technical platform

- HW/processor: Intel x86, 64 bit architecture
- O/S: Linux
- Database: Oracle 11g
- Network: Gigabit capacity or better

NASDAQ OMX is a dedicated partner

For more than 30 years, NASDAQ OMX has been a leader in creating electronic technology solutions for the exchange industry. We have a long history of partnering with marketplaces worldwide to provide the strategic guidance, technology tools and ongoing support to help them meet their goals. With the Genium INET trading platform, in addition to gaining an exceptional technology platform, marketplaces benefit from the unwavering commitment and dedicated support of the world's largest exchange company. For more information, visit www.nasdaqomx.com/whatwedo/markettechnology.