

# Issuance, Trading & Market Making

## Fact Sheet

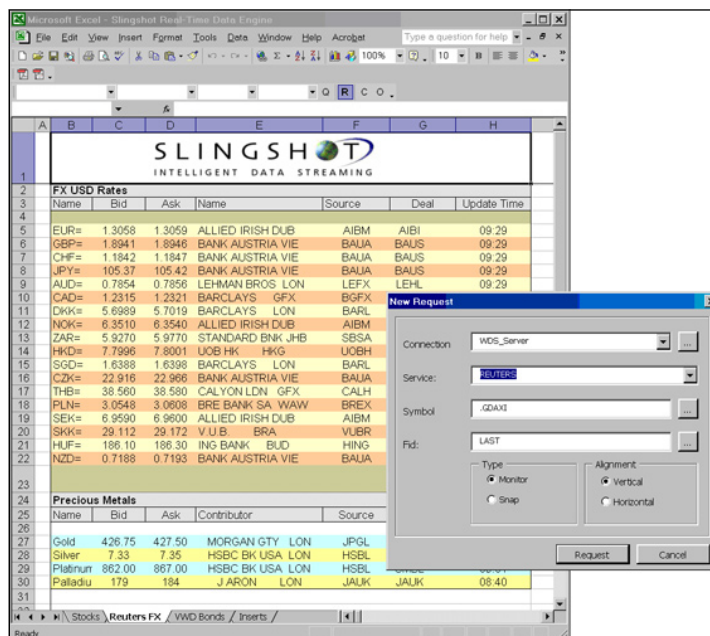
### Real-Time Data Engine for Microsoft Excel

With Slingshot Real-Time Data Engine for Microsoft Excel, Swissrisk offers a full-featured solution for enabling streaming data into your Microsoft Excel Spreadsheets.

Slingshot RTD uses the Real-Time Data function provided since Microsoft Excel 2002. This allows massive amounts of streaming data to be managed by a spreadsheet – e.g. a few hundred to a couple of thousand constantly updating real-time links.

The richly featured solution enables users to request real-time market data from Swissrisk native market data distribution platform InVision or via systems such as the Reuters Triarch or the Reuters RMDS platforms.

Additionally the Real-Time Data Engine for Microsoft Excel enables publication of data created in any Excel spreadsheet back into the market data distribution system. Such data might be used for internal contribution only or contribution to market data vendors such as Reuters or Bloomberg.



The Slingshot Real-Time Data Engine is a cost-saving and effective solution with many applications

#### Client features include:

- Clear user interface – just choose your data service, financial instrument and field ID – and insert into a cell
- Table builder wizard included to allow quick and easy build up of complex financial spreadsheets
- Full firewall compatibility – intelligent data streaming means Slingshot works anywhere – even at home
- Full hot stand-by facility – and optional automatic load balancing

Integration include:

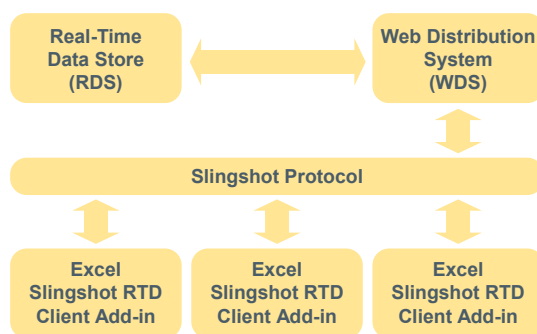
- Slingshot compatibility with all standard market data distribution systems
- Full Authentication – data can be protected using internal and external user/ password verification
- Full Data Security – Slingshot can use SSL encryption – meaning client and server side certificates can optionally be required to verify both users and connection point

With the Real-Time Data Engine for Microsoft Excel, on-floor as well as off-floor users are able to capture pricing using proprietary and personal spreadsheets. These prices can be securely and reliably stored within the Real-Time Data Storage module (RDS) and disseminated over an internal market data platform (for example Reuters RMDS), externally to market data vendors, or over the internet using Slingshot pages, resulting in a variety of benefits:

- Profitability improvement
- Faster dissemination to data customers
- Potential to create new revenues – for example data sales
- Business risk reduction
- Audit trail for pricing
- New value from existing technology investment
- Interfacing with market data platforms to integrate with other data sources

*“Everyone knows how to use a spreadsheet. We are providing a further enabler, without a huge capital investment in technology or resource training.”*

Andreas Wagner, Vice President, Swissrisk AG



Architecture of Slingshot Real-Time Data Engine for Excel

The Real-Time Data Engine is a cost-saving and effective solution with many applications:

- Deployed as an internal electronic ‘whiteboard’ to provide a dynamic, two-way mechanism for interested parties to access and contribute to the latest bids and offers for prices. It optimizes spreadsheets and reduces reliance on hardwired market data systems, at the same time providing full authentication and password verification and data security
- Deployed as a highly cost-effective solution to provide access to real-time market data. The Real-Time Engine Client allows massive amounts of streaming data to be managed by the spreadsheet, so this is a perfect solution for off-floor users who don’t need a full-featured, high-end front office application to monitor real-time market data
- Deployed as a solution to distribute a wide variety of streaming data, the underlying Slingshot and InVision protocols and the related Swissrisk real-time market data platform offer various API’s which support integration into other areas where updated streaming data must be distributed

For more information, please visit:  
[www.swissrisk.com](http://www.swissrisk.com)