

## TeleFEED

### Data Feed Middleware

In the new financial markets scenario, as also brought about by MiFID directive, the information flow management and integration became a complex and essential issue that now requires effective, reliable, scalable and modular solution.

#### SOLUTION

**TeleFEED** is a middleware providing the **real time management of market information**. TeleFEED allows the integration of information flows in different formats received from Markets (including the Multilateral Trading Facilities that are breaking into the financial markets after the MiFID regulation came to force) and different Information Vendors. TeleFEED also allows to normalize the datafeed and to redirect it to different application with a unique and extremely customizable flow. **With TeleFEED it is possible to integrate different information flows from the feeds of different vendors into the customer internal procedures and applications, in a quick and easy way.**

**TeleFEED, as well as all other TAS applications, is available in housing at our datacentres of Milan and London through the TAS Plug & Go Service.**

#### BENEFITS

Thanks to its **real-time message compression** features, TeleFEED ensures high level performance and allows customers to customise information flow parameters in order to filter vendor information according to the required relevance. It is possible to view and receive the TeleFEED information flow through the **TeleFEED client, TeleFEED API, Excel, Web** as well as third-party applications.

TeleFEED can easily communicate with any kind of protocol (both incoming and outgoing) and provides added value to security negotiation processes by avoiding repeated vendor flows or application integrations

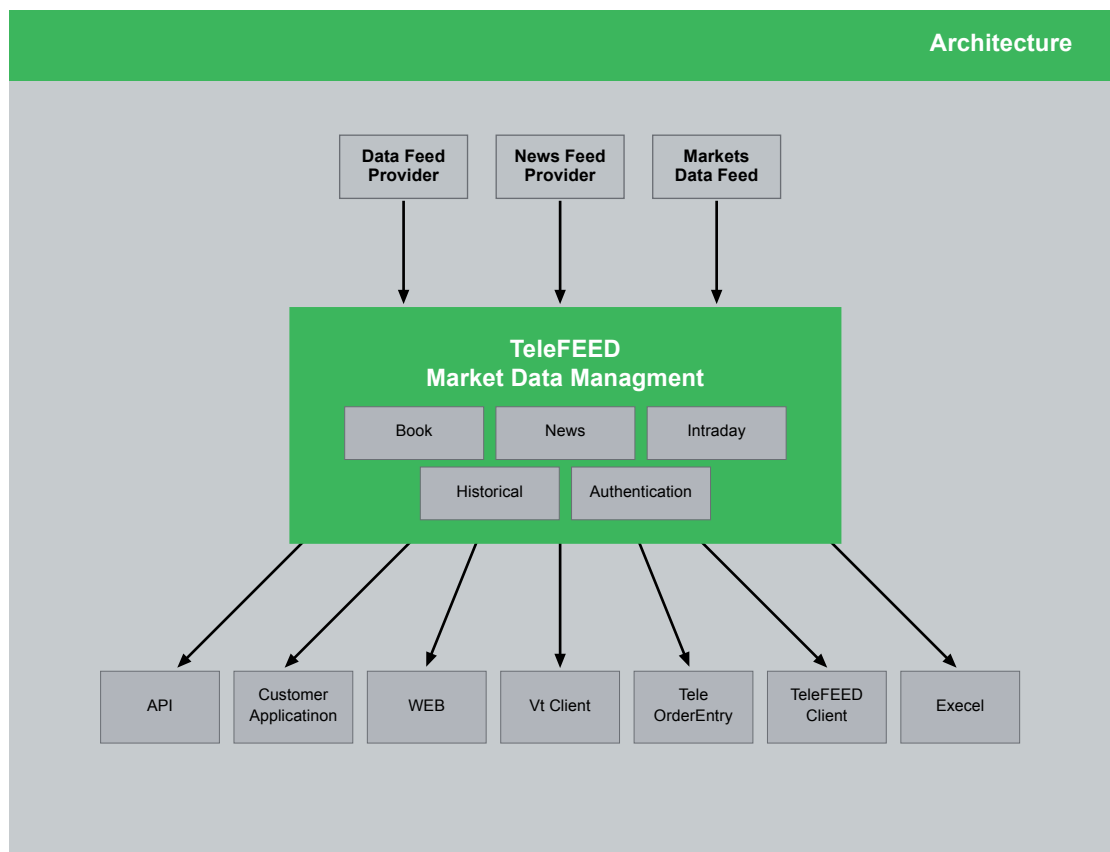
#### FEATURES

- **Reception of information from different vendors** also with different formats and modalities; data normalisation options and cut out data redundancy
- **Flexible activation of new interfaces** - Every interface module is independent. Activation of a new input interface makes the related flow immediately available to all other interconnected applications

- **Parametric flow management** - It allows information flows to be prepared in accordance with the requirements of the receiving applications, by integrating information from different providers
- **Unlimited time tracking and retrospective investigation** - Thanks to the storage capacity it is possible to obtain information about the market situation (prices, books, etc.) in any moment. It is therefore possible to carry out retrospective investigations (e.g. for Market Abuse legislation and purposes) and the maximum transparency to customers (such as the MiFID legislation) is provided
- **High performances proprietary database** - TeleFEED uses a proprietary database that allows persistent data storage with extremely high performances
- **High performances real time data dissemination** - TeleFEED uses an advanced real time information compression technology that allows at the same time integral information transmission with extremely high performances
- **Multiple modalities of managed flow distribution** - The managed flows can be distributed in broadcast or peer to peer with a comprehensive solution set: TeleFEED client and TeleFEED API consultable by third party applications, by **Web, Excel** clients and providing direct integration of direct applications (client or server)
  - The information managed:
    - push prices
    - portfolio and book characteristics over 5, 20, or full book
    - news
    - intraday
    - corporate actions
    - share performance reports
    - special contents, HTML
    - graphics
    - internet shortcuts

### ARCHITECTURE

The application architecture ensures minimum impact on existing procedures, permitting smooth integration to existing logical and technological architectures.



### TECHNICAL REQUIREMENTS

#### Platform

- WINDOWS
- AIX
- Linux

#### Framework

- C++ (WINDOWS O LINUX)
- XML
- Framework Proprietario TeleFEED

#### Client TAS Market Data

The client is developed on a C++ framework that allows the management of any contents, including multi-media. The **TeleFEED** client is structured to provide a high speed of interaction. It is a self-installing product connected to a **TeleFEED** server by LAN, by internet or through the usage of a dedicated line. It is totally configurable and is able to manage and save up to 9 desks.

#### API

- C++
- Java
- COM

#### Database

- Proprietary