

SIAnet FINANCIAL RING

The fast lane to financial markets



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SIAnet Financial Ring is the **one-stop solution** exclusively designed for the financial community that consolidates all **connectivity accesses to international markets** into one **reliable, secure and fast connection**, thus allowing for reductions in the costs attributable to complexity.

It is a single technological network infrastructure with **low latency and high reliability, that covers the entire value chain of the Security Exchange industry**, starting from pre-trade (market data dissemination), passing through trading (Production and DR trading platform access and Exchange Proximity services) and ending with post-trade services (CSDs access).

Access to SIAnet means:

- ❑ **to open a real single window**, accessing all the relevant Market Infrastructures for Payments, Cards and Trading Venues/CSD, with a real single network infrastructure
- ❑ **to enter in one-stop-shop**, getting a unique set of network services within a single contract
- ❑ **to gain the peace of mind**, enjoying highly secure & privacy compliant network services

SIAnet Financial Ring infrastructure

Born out of SIA's thirty years experience in integrating the best-in-class carriers and solutions, SIAnet is designed to address the needs of financial players.

Currently, the SIAnet Financial Ring is accessible through **two Milan Data Centers and two London PoPs**, offering low latency and direct and dedicated connectivity solution to key Trading Venues, CSD and brokers.

This architectural solution is designed to neutralize a network fault risk, matching the high-level customer business continuity requirements.

SIAnet Financial Ring guarantees **exceptional service levels** thanks to the adoption and management of market leading technology solutions:

- ❑ **fiber-optic redundant backbones** connecting the Data Centers and PoPs in Europe
- ❑ **different network and carrier routes** to increase the level of security and reliability
- ❑ **DWDM technology**
- ❑ **point-to-point SDH connections** at extremely high speed (1 Gbit/s)

- ❑ **direct fiber-optic connections to market platforms**
- ❑ **customized connections with trading partners**

The network configuration is **customized** according to each player specific needs and is **scalable** and **modular** to adapt to business evolutions in terms of:

- ❑ markets and trading partners reached
- ❑ bandwidth
- ❑ access points

The new technological network infrastructure ensures also:

- ❑ **reliability and security:** highly reliable, protected fiber
- ❑ **high level performances:** scalability and low network latency
- ❑ **service management:** operation, maintenance, monitoring and assistance 24/7

SIAnet Financial Ring connects the main international financial marketplaces, enabling access to trading and market reporting systems:

- ❑ **London Stock Exchange**
- ❑ **Borsa Italiana**
- ❑ **Xetra**
- ❑ **Eurex**
- ❑ **MTS**

- :: **Nyse Euronext Liffe**
- :: **Chi-X**
- :: **Hi-MTF**
- :: **EuroTLX**
- :: **CME**
- :: **H-DAT**

Synergies among SIANet domains

SIA's network offering is completed with:

- :: **London Stock Exchange & Borsa Italiana**

Since May 2008, SIA is the Network Service Provider for the access to LSE Markets and its Services Provider for Borsa Italiana Markets

- :: **Deutsche Börse**

SIA, as Multi Member System Provider, offers access to the Xetra and Eurex markets through the shared Miss infrastructure

- :: **Nyse Euronext Liffe**

SIA offers access to the markets provided by Nyse Euronext on the SFTI network

- :: **Chi-X**

As Managed Extranet provider, SIA offers access to the Continuous Block Cross trading systems (Production and DR) of the Chi-X market

- :: **Hi-MTF**

SIA is the Official Network Service Provider for the access to Trading Facilities and the Hi-MTF Order Driven market

- :: **EuroTLX**

SIA is the Network Service Provider for the access to EuroTLX market. SIA provides the access to the Production and External Test environments

- :: **CME**

SIA provides logical access to Chicago Mercantile Exchange markets through the two different CME Globex Hubs in London

- :: **Monte Titoli**

SIA is the Service Provider of Monte Titoli and offers the access to EXPRESS II, XTRM platforms. The post trading infrastructure is located at SIA's Data Centers

- :: **MTS**

SIA is the MTS Service Provider for the access to the common platform, "TRADEIMPACT" for Fixed Income trading on all markets in the MTS family. The market infrastructure is located at SIA's Data Centers. And for even greater speed, choose the Proximity MTS solution

- :: **H-DAT**

SIA, as Multi Member Provider, offers access to the H-DAT market platform through its shared infrastructure for auctioning Greek Government securities in the primary market

- :: **Italian Interbank Network (RNI)**

It is the logical network domain to access, via messaging services, the services of Monte Titoli and Cassa di Compensazione e Garanzia (clearing house) and to access the Bank of Italy First Auction session.

Exchange proximity

In today's trading environments speed matters more than ever before. Especially algorithmic and alternative trading strategies highly depend on execution speed.

SIA Proximity Services directly address this market demand for ultra low latency connections.

MTS Proximity

As of today for MTS access, SIA offers Proximity MTS solution, an ultra low latency connection in almost no time, that provide housing space for customers' trading infrastructure.

The exchange's member take advantage of the full service package and benefit from SIA experts' know. Facility management and connectivity solutions are included in this turnkey solution.

SIA is the **MTS Service Provider** for the access to the common platform, TRADEIMPACT, for **Fixed Income trading** on all markets in the **MTS family**.

The market infrastructure is located at SIA's Data Centers.

Urban Exchange Proximity

As part of its ongoing commitment to improve network service efficiency and performance enhancements, SIA provides an Urban Exchange Proximity service, designed for those customers wishing to reduce latency, or looking for the flexibility/scalability of a hosted facility.

The Urban Exchange Proximity service is the ultimate in low latency connectivity, providing the fastest possible connection to the Exchange's trading and information systems.

The customer trading application servers are hosted as close as possible to the Exchange's premises minimizes the latency.

Each SIA Data Center/PoP is fully equipped in order to provide co-location, hosting and facility management services for customer trading platform.

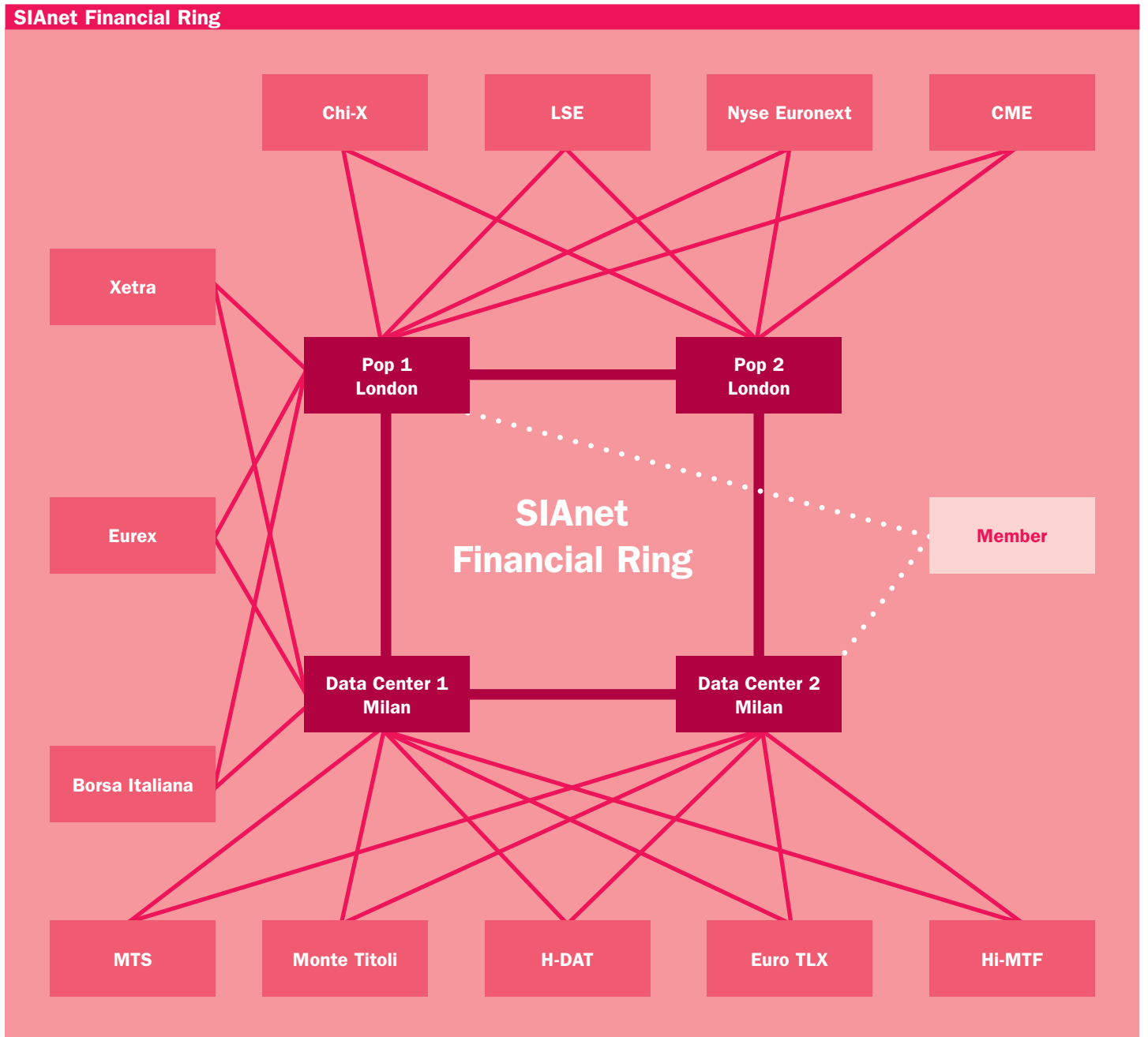
Post Trade Access

The SIA network offering is extended to the post trade services through the RRG Domain Access, that is the main solution to access to Italian post trading system (Monte Titoli) for the services of Centralized Administration, Clearing and Settlement.

SIA Swift Service Bureau offers customers the possibility to link to different CSD using the same network solution.



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