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SIX REPO AG

SERVICE DESCRIPTION



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1. SUMMARY

SIAnet Financial Ring connects the main international financial marketplaces, enabling access to trading and market data-feed systems.

SIX Repo AG access is available on SIAnet Financial Ring.

SIA is an **Infrastructure Service Provider** for the CH Repo and OTC Spot markets of SIX.

SIA offers network access to SIX Repo CO:RE trading platform via the SIX Swiss Exchange Common Access Portal (SCAP) from the Milan and London Data Centres.

Customers can quickly and easily access the Swiss money market platform to trade on the CH Repo and OTC Spot markets of SIX, taking advantage of the SIAnet.NG network plant already installed at Customers' premises.

Customer premises are interconnected to SIAnet Financial Ring via SIAnet Suite.

After authorisation and registration, traders are free to start trading, subject to completion of membership agreements with SIX Repo AG and connectivity agreements with SIA.

2. SIANet Financial Ring

SIAnet Financial Ring is a **one-stop solution** exclusively designed for the financial community, having more than **600 Customers** connected, 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 Securities 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).

2.1 SIANet Financial Ring infrastructure

Born out of SIA's forty 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 **Milan Data Centers, London, PoPs, Frankfurt PoP** and **SIA's PoP in USA (New York, New Jersey)**, offering a low latency and direct and dedicated connectivity solution to the main European Trading Venues.

- 30 Trading Venues on-board
- Certified Network Service Provider
- Direct market access: native raw feed and trading channels for order submission

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 and USA
- **different network and carrier routes** to increase the level of security and reliability
- **DWDM technology**
- **point-to-point SDH connections** at extremely high speed
- **direct fiber-optic connections** to market platforms
- **customized connections** with trading partners

The network configuration is **customised** according to each player's 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 also ensures:

- **reliability and security**: highly reliable, protected fiber (more than 293 tera-bytes carried on the Financial-Ring)
- **high level performances**: scalability and low network latency

- **service management:** operation, maintenance, monitoring and assistance 24/7
- **client software neutral**

2.2 Value added Services on SIANet Financial Ring

2.2.1 CO-LOCATION SERVICE FOR MTS END EUREX MARKETS

Algorithmic and alternative trading strategies highly depend on execution speed. SIA Co-Location Services directly address this market demand for ultra low latency connections.

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

2.2.2 PROXIMITY AND URBAN-PROXIMITY SERVICES AVAILABLE ON THE FINANCIAL-RING PoPs

SIA provides Proximity and Urban Exchange Proximity service, designed for those customers wishing to reduce latency, or looking for the flexibility/scalability of a hosted facility.

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

2.2.3 MANAGED SERVICE

The exchange members take advantage of the full service package and benefit from SIA's expertise, from the HW provision (trading server as per customer requirements), to O.S. Facility management.

2.2.4 SIANET MONITOR PROBE

SIANet Monitor Probe is our new secure web-based self-service monitor providing online information about SIANet network equipment. SIANet Monitor Probe is a powerful network monitor designed for network administrators who want to centrally monitor centrally the status and performance of telecommunications equipment installed at operational premises directly from their own PC.

Functional Features

- Monitor Probe provides real time information including:
 - Availability status
 - Network schema
 - Network configuration
 - Round trip delay (average, min, max, n° No. values, n° No. fails)
 - Latency
 - Volume
 - Throughput (input/output ports)
 - Jitter
 - 7 Days Reporting



- Alert (e-mail): an automatic reporting of possible malfunctions will be sent to the Customer contacts

3. SIAnet Suite

The various network types, entirely based on IP connectivity both on the MPLS and Ethernet protocol, were designed with availability, functionality and scalability features and high security levels to respond to the customer’s multiple and varied requirements, providing **simplicity of use** and **technological innovation** while guaranteeing **high Service Levels**.

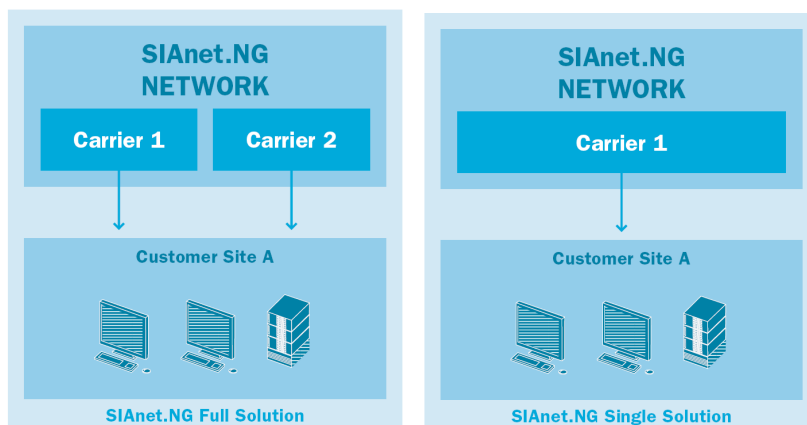
Security is guaranteed by Firewalls with implemented security policies (ACLs) and is carried out via a ciphered VPN (Virtual Private Network) channel, according to the IPSEC 3DES standard, which establishes a secure end-to-end communication channel between the customer’s headquarters and the applicative/central systems for the processing of credit and debit cards, payments systems and capital markets.

3.1 SIAnet.NG Standard Suite

A suite of fiber optic, broadband network configurations, capable of guaranteeing your mission-critical activities high performances, security and flexibility, while minimizing risks and optimizing investments.

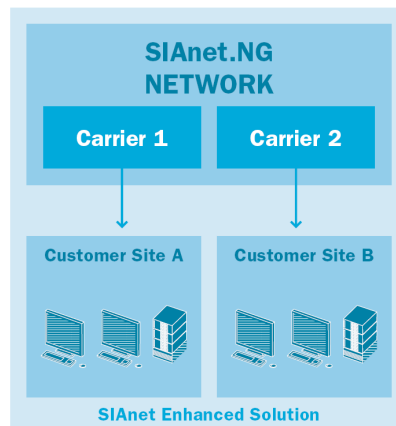
The solutions designed with access speed and MCRs (Minimum Cell Rate) ranging from 128 kbps to 1 Gbps are:

- Full Solution: solution with high reliability levels, based on 2 leased lines of different main Carrier on different network paths
- Single Solution: network solution based on 1 leased line



3.2 SIAnet.NG Enhanced Suite

Geographical Business Continuity is an enhanced access solution aimed at connecting different Customer sites (i.e. main site and disaster recovery site) to the SIA network with the same addressing plan, using the BGP or HSRP protocol.



The network equipment and the connections used are supplied and handled directly by SIA. To be more specific, the following are included:

- the supply and installation, at the Customer premises, of the routers and firewalls required to connect to the SIAnet.NG network infrastructure;
- the supply and installation of communication switches needed to connect the other network equipment supplied by SIA.

3.3 Support

SIA offers a sole contact point for the Customer connectivity, with a Customer Assistance Service available 24 X 7.

SIA pledges to actively identify any problem that fall under the services provided to the Customer, and to resolve the same as quickly as possible.

Whenever an issue is reported by the Customer or it is detected by the proactive monitoring operation carried out by the Front End, a centralized fault management procedure is activated by the Front End operators. The fault management platform enables to correlate events associated to the same adverse event and to carry out activities to identify the root cause event.

The Customer is always aware of the development of his problem solving thanks to the trouble ticketing system used in SIA.

4. SIA Contacts

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