

perago:Xhub

Trust and Innovation



BACKGROUND



With the evolution of messaging standards, the advent of new payment system business models and the multiplication of regional integration initiatives, the central and financial institutions underlying payment systems infrastructures have had to rapidly adapt. Financial organizations are expected to address changes by delivering new services quicker, preserving existing investments and minimizing the change impacts on their core systems.

These new services require integration tools that enable access to the new payment schemes across multiple messaging networks, providing the necessary flexibility and security to protect the payment service provider investment in the long term.

BUSINESS INNOVATION



Return on investment in the current fast changing environment means addressing tomorrow's challenges today. This was historically achieved through technological innovation however, technological innovation has become a standard not a differentiator. Business innovation is the best way in which to address tomorrow's challenges today whilst capitalising on your return on investment.

Perago actively executes business innovation in each and every product. No other payment systems provider experience compares to that of Perago's in-depth experience in developing and deploying highly scalable modern payment systems around the globe—multiple countries, multiple entities and multiple regulators. Perago guarantees that your organisation will benefit from our professionals who have experience in dealing with the complexities of large scale global operations, as well as the customized needs of regional and purely domestic banks.

MULTIPLE CHANNELS



Currently perago:Xhub includes various standard modules but any customer can create their own one according to the specific integration requirement.

Perago:Xhub has the following standard integration modules:

- Common market for Eastern and Southern Africa (COMESA).
- SADC integrated regional settlement system (SIRESS).
- Foreign exchange (FOREX) straight through processing.
- Payment Vs payment (PVP).
- Continuous linked settlement (CLS).
- MT-MX transformation.
- Straight through processing (STP) with Real Time Gross Settlement System (RTGS) and Automated Clearing House (ACH).
- Central Securities Depository (CSD) integration.
- Collateral Management System (CMS) integration.
- XML-MT message transformation; and
- Proxy services.

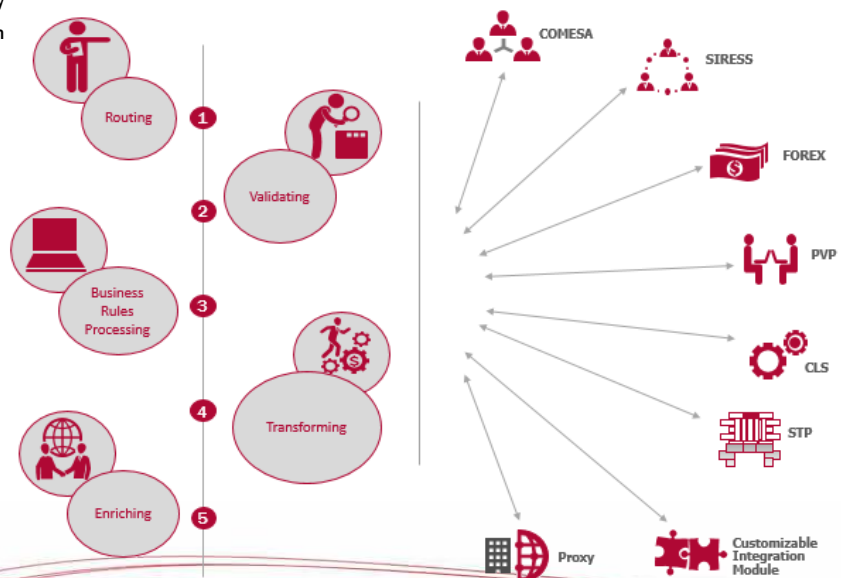
THE SOLUTION



The perago:Xhub system is a modular smart business integration system which allows customers to leverage off business processes thus enabling them to enhance their institutional efficiency. The perago:Xhub system is ISO 20022 compliant and adheres to the stringent industry standards consequently making integration with your existing technology infrastructures faster, easier and more predictable. The perago:Xhub system combines the agility of service orientated architecture with the flexibility of a rule-based system, offering a world class system unlike any available in the market today. The system is aligned to global best practice which is used to govern the business rules. Additionally it enables to reuse components for new payment streams, to increase speed-to-market and to simplify the integration of new products while improving return on investment.

The perago:Xhub system facilitates supervision and control of all payment processes, thereby enabling businesses to keep their finger on the pulse adopting a proactive rather than reactive approach to mitigating business risks. The perago:Xhub system is built on an open architecture, which supports highly scalable and pluggable extensions. In addition to this, transaction processing logic and rules are maintained as pluggable modules which implies that the system never becomes a legacy system as it allows for the removal and replacement of certain system parts as the business requirements and strategic objectives change. In addition, the open architecture enables businesses to upgrade the supporting technology as needed.

Attributable to the flexible nature and open architecture of the hub, it enables the ability to integrate multiple disparate instruments, systems and systems regardless of the transactions origin. It therefore becomes easy to align the rules with those encapsulated and formulated by your organisation instead of the other way around.



KEY BENEFITS



- Business rules driven message management.
- Platform independent.
- Ability to enrich, transform and route instructions with additional data.
- Ability to enter and store the transactions for later date execution.
- Ability to process a single file containing several payment instructions, as generated by back office systems.
- Business and structural validation of a transaction before sending it for final processing within any financial system.
- Built on open standards ensuring interoperability with all existing systems.
- Easy to use graphical user interface.
- Can accommodate any transaction type, whether financial or other.
- Extensive audit and security capability.
- ISO 20022 message format compliant; and
- Can accommodate Synchronous, Asynchronous, publish and subscribe as well as store and forward integration architectures.

COMPLIMENTARY PRODUCTS



The modular nature of the Perago solution allows for flexibility which easily adapts to the often disparate requirements of customers. The modules all form part of one great whole and the customer experiences one singular system view, regardless of which solution set is implemented.

This is made possible by the Perago360 framework, upon which all the Perago solutions are implemented. These include a Government Payments System (perago:paygov) and instant payments system (perago:exp). Furthermore the Perago suite of products include additionally overlay systems that our clients can benefit from, namely a secure enterprise messaging system, (perago:ems), a business intelligence solution based on cubes, (perago:bi).

The above systems all benefit from the flexibility of the Perago360 platform architecture which by default includes a user Access component used to grant or deny users authorization to the Perago systems. A scheduler component used to control the operating hours of the different Perago systems.

Furthermore a Billing component used for billing participates in the system and single sign on component that facilitates ease of sign on, whereby users who are running multiple Perago systems sign on in a single window and then have access to the relevant systems and/or components.

Additionally the Perago products include a Central Securities Depository system, (perago:csd), a clearing system, (perago:clear) and a Real Time Gross Settlement System, (perago:rtgs). The RTGS and ACH systems can be tightly integrated to form an Automated Transfer System (ATS) solution.

BACKGROUND ON PERAGO



Founded in 1999, Perago is a world leader and innovative company delivering high quality cost effective solutions which include payment systems (Real Time Gross Settlement, Automated Clearing House, Instant Payments and Government Payments), securities management (Central Securities Depository and Collateral Management) and smart integration solutions (Straight Through Processing and Payment Hub).

At Perago recognized trust, superior business knowledge and innovation together with outstanding operational Service Levels are key building blocks upon which our solutions are built to help Central Institutions and Banks streamline any mission critical process quickly and cost effectively

BACKGROUND ON SIA



SIA is European leader in the design, creation and management of technology infrastructures and services for Financial Institutions, Central Banks, Corporates and Public Administration bodies, in the areas of payments, cards, network services and capital markets.

SIA Group provides its services in 46 countries, and also operates through its subsidiaries in Austria, Germany, Romania, Hungary and South Africa. The company also has branches in Belgium and the Netherlands, and representation offices in the UK and Poland.

In 2016, SIA managed 12.2 billion clearing transactions, 4.3 billion card transactions, 2.8 billion payments, 47.4 billion financial transactions and carried 654.3 terabytes of data on the network.

The Group is made up of nine companies: the parent SIA, the Italian companies Emmecom (innovative network applications), P4cards (card processing), Pi4Pay (advanced collection and payment services), TSP (front-end services), and Ubiq (innovative technology solutions for marketing), Perago in South Africa, PforCards in Austria and SIA Central Europe in Hungary.



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