Factsheet

Messaging

Messaging, Integration & Processing
To effectively navigate the dynamic landscape of regulatory requirements and industry standards, financial institutions invest substantial resources in maintaining the effectiveness of their back office systems. The intricate demands of control and automation, coupled with the imperative to continually innovate while ensuring compliance, present formidable challenges. Aquila stands poised to address these challenges with tailored solutions, offering a pathway to streamlined operations and sustained regulatory adherence.

Aquila is a multi-entity, multi-currency solution offering 24x7 transaction automation capabilities that reduces both network complexity and operational costs.

Some of its features include:

- Integration to any electronic messaging systems such as SWIFT (FIN and ISO20022)
- Seamless integration into existing core infrastructure
- Cloud native solution
- Dedicated support providing updates to industry changes months before the go-live
- Create and automate new message formats or business logic with ease.

- Integration to Electronic Messaging Systems
- Integration to Existing Infrastructure
- Reduced Network Complexity & Operational Costs
- Dedicated Support
- Create & Validate New Message Formats

Message Management

Message Management (MM) integrates internal core systems with third party applications and external messaging services. MM simplifies IT architecture and enables your enterprise to prepare, augment and control the receipt, creation, amendment and release of any message types with full audit.

The advantages of using the product suite include:

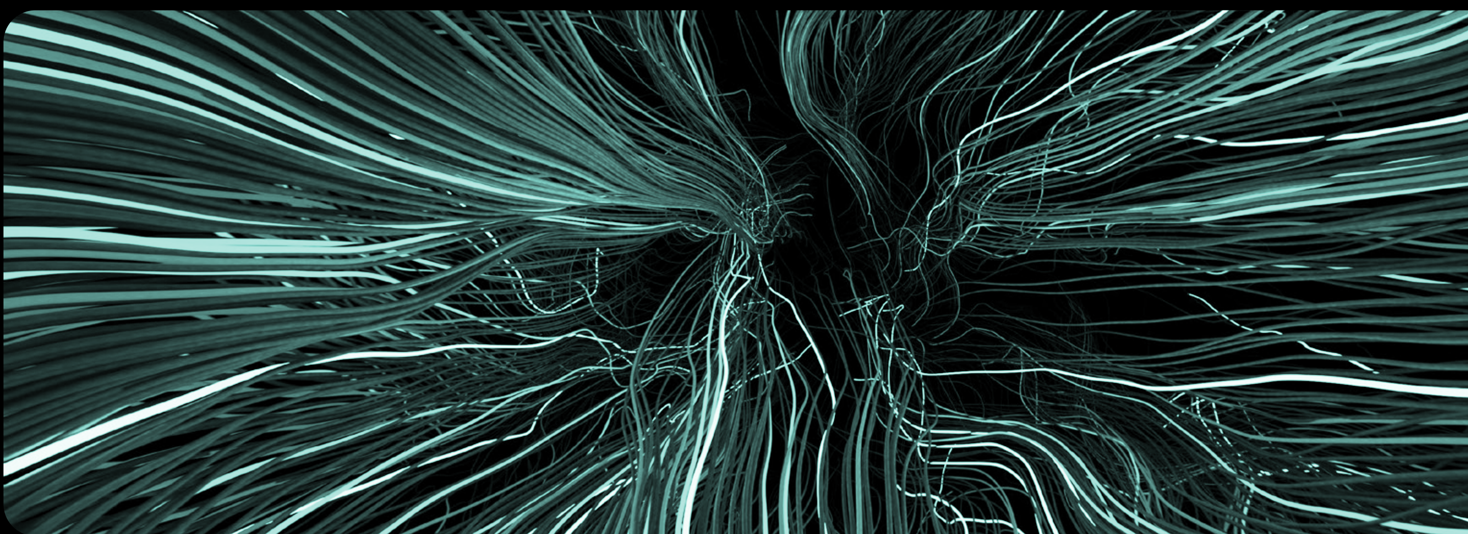
- Reduced Risk
- Reduced Cost
- Reduced manual processes
- Improved Compliance
- Improved Time-cycles
- Improved Audit and Control
- Improved Accuracy
- Competitive Pricing

The user desktop logically segregates messages by entity, department and status, presenting them to the appropriate business area and users as well as performing automated business processing via workflows. Comprehensive search facilities enable users to effectively locate and display any related messages within the system with ease.

Aquila is designed to automate the processing of ISO 20022 messages, however, if required, Aquila can translate messages between different formats using its proprietary business logic (e.g. Swift MT to MX and MX to MT) for use in other legacy systems. Automated duplicate message and restricted country and currency detection is included as well as a configurable incident management function that alerts users to any issues that need investigation such as third party AML system API responses.

Message Standards Updates

All message standards are maintained within MM. They have either an effective date or a version number that allows changes in message structure (imposed by service standards updates) to be catered for without the need to upgrade software. Changes to industry standard messages are supported by Aqua Global with updates typically released at least four months prior to the go-live date. These changes can be applied in advance and adopted automatically on the effective date.



No-code Business Intelligence
This technology controls the processing and manipulation of transactions. Specific processes can be initiated automatically based on system events and is typically used to scan the content of messages, control processing, define message matching and field context rules. This also controls the translation and mapping of information between messages and interfaces so that the addition of new message formats and changes to business logic can be achieved easily without the need for extensive re-engineering.

Workflow Engine
A powerful workflow engine is provided to control and monitor configurable workflow definitions that perform automated business logic. Workflows can be triggered automatically using message status changes, specific business events and database activity or manually by authorised users.

Workflows enable integration and processing for the following:

Reconciliations

- Cash
- Cards
- Commodities
- Payment Service Providers
- Securities Positions
- Securities Trades

Matching

- Treasury Confirmations
- Securities Settlement messages

Reporting

- End of Day transactions and balances
- Intra-Day transactions and balances

Workflow definitions are able to:

- Steer the processing depending upon the outcome of events
- Suspend the processing whilst waiting for an action from another process or a user initiated repair
- Halt the processing due to a new exception condition

Incident Management
Aquila has configurable incident management that tracks events and controls analysis, corrective action, and incident closure with full audit.

Swift Case Management
Incident Management can be configured to automatically create camt.110 “Investigation Requests” to initiate an investigation or to request a status update on an existing one within Swift’s Case Management solution.

Swift Essentials Interface

The “Swift Essentials” API’s are now available to all Swift users to improve business flows in the following typical ways.

1 SwiftRef API

This will enable the automatic creation of new counterparty records based on undefined BICs, clearing codes and other identifiers such as LEI contained in either MT or MX messages in real-time.

2 GPI Core Services API

Swift GPI enables banks to provide end-to-end payments tracking to their customers from the moment it is sent right up to when it is confirmed. Integration of the GPI Tracker APIs with applications allows calls to be made to retrieve and update payment transactions. When updating a transaction status with the API, the GPI Tracker validates the information and provides an immediate response if the update was successful or not, allowing the application to take immediate action based on the API call result.

2 Payment Pre-validation Consumer API

This API is designed to support banks to prepare their cross-border payment requests and check if the payment information is valid and in good standing with the country-specific requirements at the destination.

AquaGlobal

Modernise your Processing.

Trusted messaging provider for over 40 years

About Aqua Global

Aqua Global was founded in 1983. For over 43 years Aqua have been assisting FI’s to fully automate their transaction lifecycle by providing seamless, secure and robust message automation.

Headquartered in London with support hubs in Poland and global business partners, Aqua have supported clients in over 30 countries around the world.

Our solutions support real-time operations, regulatory compliance, and scalable automation. We focus on building long-term partnerships, tackling complex operational challenges, and providing reliable, high-performance systems that assist our clients every day.

Centralised Orchestration

- Message Management
- ISO 20022 Processing
- Payments
- Treasury
- Securities
- Reconciliations
- Matching
- Incident Management
- Cash & Liquidity Management

For more information, visit
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