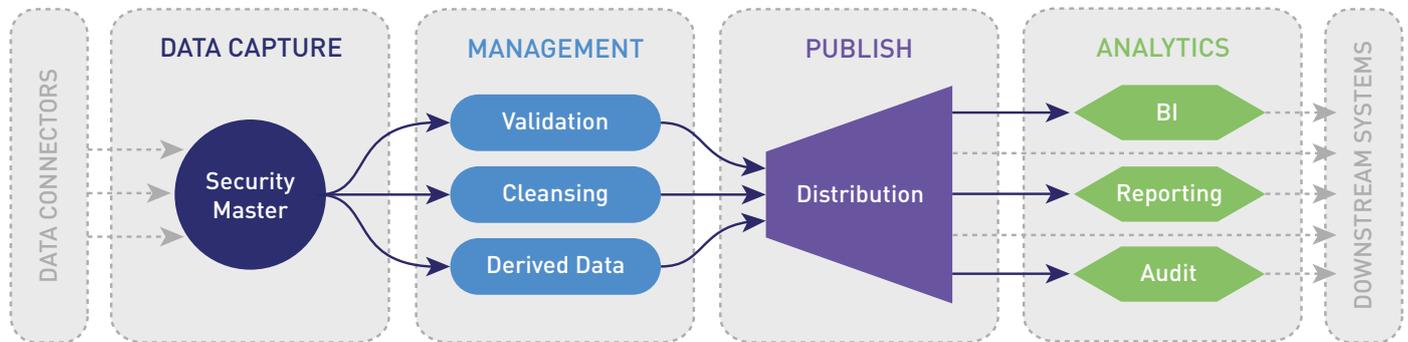# XENOMORPH®
TimeScape™ EDM+

TimeScape EDM+ is the most comprehensive Enterprise Data Management solution for financial markets.

Available on-premise and as a cloud service it provides a centralized, consistent and auditable framework for the management and analysis of all data types, enabling reduced costs and increased data quality across the organization.

Xenomorph TimeScape EDM+ is designed for the enterprise-wide management of data and covers the full end-to-end process from raw data capture and storage (Security Master) to gold copy creation and export. It centralizes, manages and distributes all data types including reference, counterparty, corporate action, historic, real-time, complex and derived data.

Risk management, regulatory compliance, and business users' need for greater control over their data and workflows continue to drive the innovation and development of our EDM+ platform, helping firms react faster to changing business requirements and reduce their data management and acquisition costs.

A key component of the platform is the highly configurable data validation and cleansing system, which automates the end-to-end process while enabling manual intervention where required.

Data traceability is guaranteed for both raw and derived data by auditing all data changes and process actions. Dependencies of interlinked data are tracked so data only gets promoted to gold copy status when the full dependency tree is satisfied.

Integrated analytics and in-built data and system connectors complete a feature set that makes TimeScape EDM+ the most comprehensive EDM solution in the market.

KEY BENEFITS

Increased regulatory compliance

Centralized data management and comprehensive audit functionality enable greater transparency for reporting and regulatory compliance.

Scalability and performance

Scalable to manage increasing data volumes; uses standard enterprise components simplifying implementation and maintenance.

High data quality, coverage and consistency

Security Master for all data types; manages the end to end process; capture, cleanse, validate and enrich reference, derived and dynamic data from all available sources; store business objects like curves, surfaces and cubes.

Integrated enterprise data and analytics

Front, middle, and back-office consume and utilise the same datasets; analytics are integrated into the data management framework and hence calculations become part of the process, not external to it.

Ease of use

No programming is required to add new asset classes and the rules to manage supporting data. Intuitive screens for validation and exception management.

Reduced costs

Rationalizes data sources reducing data acquisition and management costs.

ENTERPRISE FEATURES

Flexible Data Types

Supports any type of data and workflow scenario, including but not limited to:

- ▶ Market data
- ▶ Static data
- ▶ Reference data
- ▶ Counterparty data (including LEIs)
- ▶ Derivatives and their dependencies
- ▶ Instrument on-boarding
- ▶ Corporate actions and triggered events
- ▶ Complex objects (curves, surfaces and cubes)
- ▶ User defined objects and data
- ▶ Derived data

This flexibility enables the system to store the full data set required for an instrument. For OTC contracts this means a complete lifecycle recording of the instrument with all of its data within the system.

Any Asset Class

Stores and processes all asset types no matter how complex. Data from different asset classes can be moved from legacy silo systems into a single repository reducing inconsistencies, duplication and synchronization issues.

Complex Object Validation

Comes with many pre-built objects that have a high degree of business meaning such as curves, surfaces and cubes. Users can work on these as whole objects in their own right and also dive into complex underlying data structures as necessary.

Derived Data Management

Derived data can be generated internally using the extensive, built-in analytics provided by the system or integrating with third-party products such as Numerix, FINCAD, R and Python. This enables automatic enrichment of the market data sets in a controlled and centralized way.

Data Modelling and Integration

Extensible ETL tools specifically designed for financial data reduce implementation timeframes, ensuring faster time to market.

Security Master

Provides all the tools required to maintain a centralized, audited data warehouse for all data relating to financial instruments.

Gold Copy Management

Trigger gold copy creation as soon as data becomes available rather than being batched up into a single overnight process. Multiple gold copies can be managed within the system when different validation rules are required for different data sets.

Business Reporting

Comprehensive reports covering information such as un-validated data, changes in validation rules and frequency of validation test failures as well as reports on system errors.

Data Audit and Process Audit

Full data audit, including changes to data values, database structure, user permissioning and groups.

Audit of all business actions applied to data during the gold copy creation process. From the automatic normalizing and consolidation of data, through the process of deriving data e.g. calculation of zero-rates, to the manual intervention of exceptions generated by data failing a validation test.

Data Traceability

Extensive process audit makes it easy to track backwards to discover how a gold copy data value was created i.e. what raw sources were used and what rules were applied, including any manual adjustment of data.

Data Governance

Role definition and tracking, including 4-eyes controls; assign and manage workloads with groups and locations.

Scalable and Real-Time

Real-time platform; industry standard enterprise technology delivers a fast and highly scalable solution.

Standard Data and System Connections

Supported integration to major data vendors and compatibility with third-party systems such as Murex, FINCAD and Numerix included as standard.

Dashboard / Performance Monitor

Dashboard to view running workflows; use key performance indicators to monitor progress and manage workloads.

Enterprise Development Tools

APIs, SDKs, and extensive integration with Microsoft Office mean the solution is fully documented and customizable as required.