staedean

Factsheet

Effortlessly **import and export data** fully monitored in D365 F&SCM, without coding

Data Integration Solution

For Microsoft Dynamics 365 Finance & Supply Chain Management

How can STAEDEAN Data Integration Solution help your business?

STAEDEAN Data Integration Solution is a rich, no-code application integration, integration monitoring, and data modeling software built within Dynamics 365 F&SCM, that helps you configure unlimited complex integrations and export data faster, without a developer. The solution also enables you to monitor and troubleshoot integrations, avoid customizations, and connect to the cloud without Azure tools.

- ✓ Achieve unlimited system and cloud-based integrations between D365 F&SCM and any business application or legacy ERP system, with minimal coding.

- ✓ Easily monitor and optimize the health of business-critical integrations within and beyond Dynamics 365 F&SCM.

- ✓ Manage large data exports from D365 F&SCM with high speed and agility.

- ✓ Simplify data preparation and extraction based on the required formats of external systems.

- ✓ Simplify F&SCM complexity with business logic specific to Dynamics 365 F&SCM, embedded in the system by default.

- ✓ Reduce turnaround time in resolving integration problems and troubleshoot performance issues in real-time.

- ✓ Ensure full business integration with a variety of systems, including warehouse management, enterprise application integration, product lifecycle management, enterprise resource management, and CRM.

- ✓ Achieve greater control over a complex and growing integration landscape.

- ✓ Gain a single platform, embedded within Dynamics 365 F&SCM, for all-in-one data preparation—including data transformation, conversion, modeling, and defaults.

Benefits you can gain from STAEDEAN Data Integration Solution
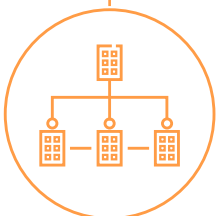
Easily integrate Microsoft Dynamics 365 F&SCM with external applications and gain full support for third-party software, existing ISV solutions, and your customizations

Simplify the setup of integrations by using configuration instead of coding

Continue working productively with your preferred document formats such as Microsoft Excel, XML, text, fixed text, ODBC, EDIFACT, X12 (and others)
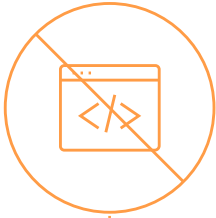
Ensure data segregation during an integration and import data into multiple companies simultaneously using a mapping specific to each company

Ensure tracking, optimization, and troubleshooting of key integrations across the Microsoft Dynamics ecosystem, such as Finance & Supply Chain, Electronic Data Exchanges, MDM messages, Logic Apps, Data Management Logs, and more—in one place

Enable non-technical and functional personnel to manage and maintain integrations between D365 F&SCM and any business system

Enable no-code analytics applications for faster data preparation and realize faster speed to analytics
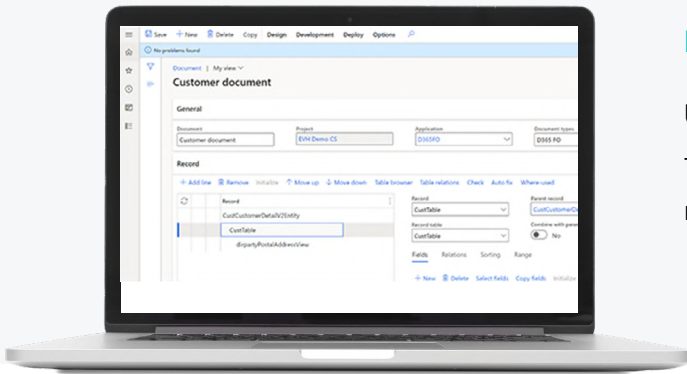
The solution's integration engine acts as a base to automate EDI processes, perform PLM integrations, and control the distribution of your master data within F&SCM and with external applications

Enable a single UI inside F&SCM with Power Platform support (For example, easily integrate with the Dataverse, or trigger different types of business events to inform users or start an integration)
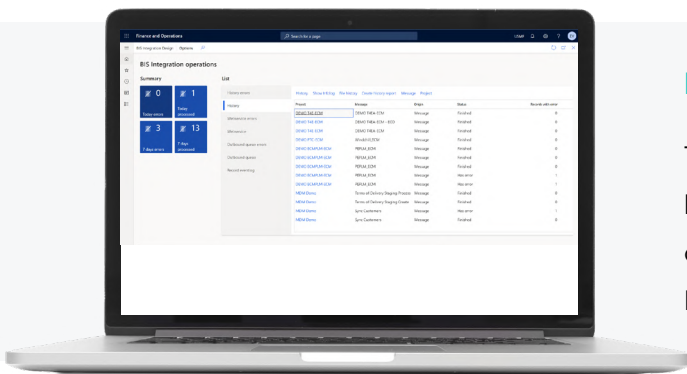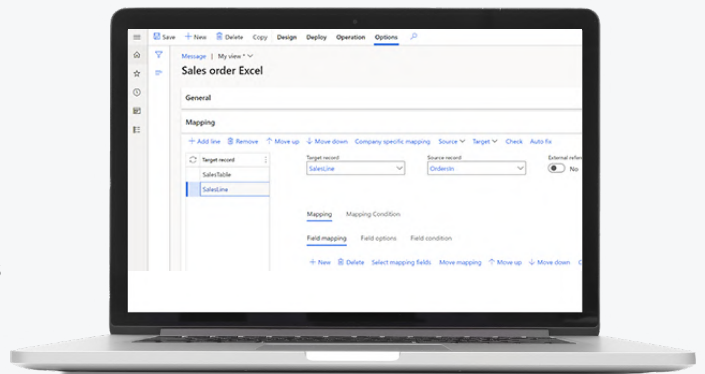
Key Features – Integrations

Flexible configurations

Use tables, views, entities, or a combination of these to configure any complex integration in a flexible manner, without the help of a developer.

Form mapping

The solution provides advanced mapping capabilities to deal with the complexities of the D365 F&SCM data model. The form mapping function helps you select the exact corresponding table and field on a form for the original input fields so that you can map to the database yourself. Once done, the mapping is created. For each field mapping, you can set up constants, defaults, conversions, and transformations to ensure smooth integration and data synchronization among business systems.
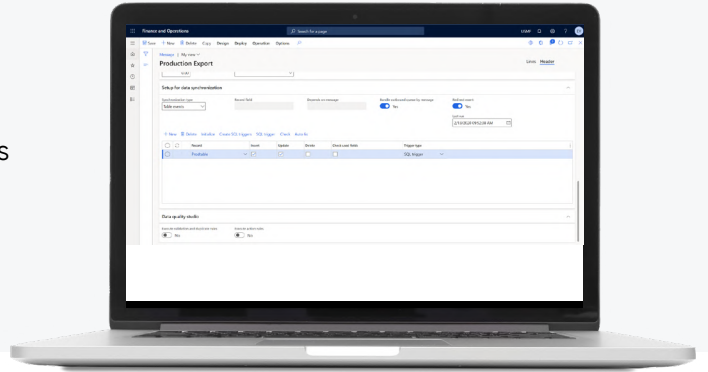

Integration history

The system logs all data exchanges in the message history for every integration, giving you full control over the data, which can easily be reprocessed. It also makes data reporting easier.
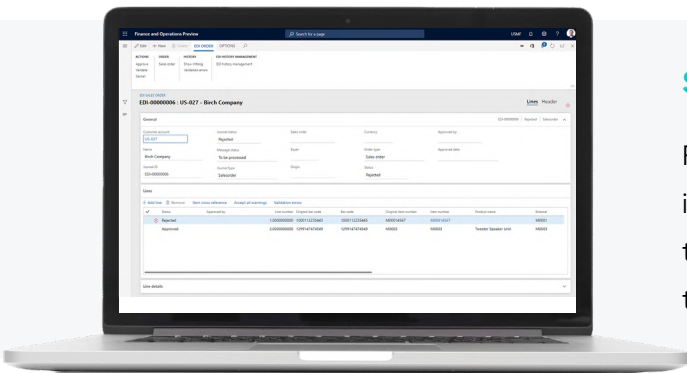
Event log

In case of any changes, an event log can be applied for each connection. The database triggers enable the log to detect insertions, deletions, modifications, and renaming. And the solution will synchronize just the changes in data.
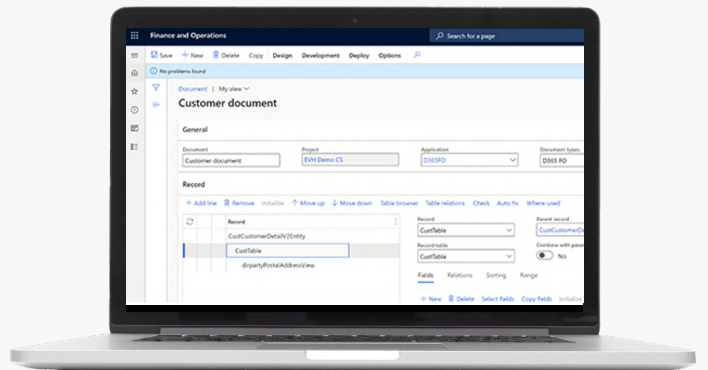

Staging tables

For any kind of changes or corrections to data, incoming data can be stored in a staging table prior to import. The data can be edited or validated in the staging area before processing.
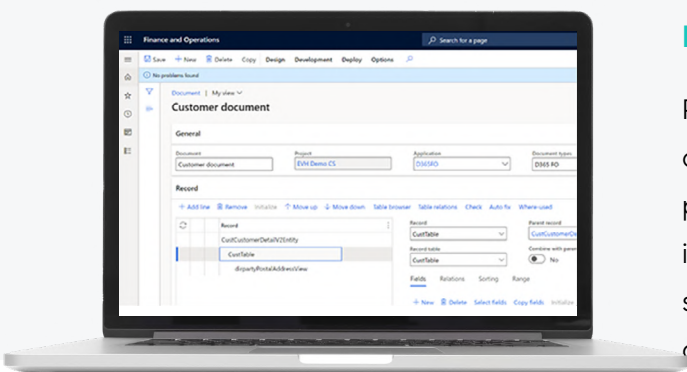
Multiple format support

Data Integration Solution supports several document formats, including Delimiter-based (CSV), flat file, fixed text, ODBC using the Azure Service Bus, Microsoft Excel, Microsoft Word, EDI, and XML file (with XSD or XSLT). Additionally, custom formats can be used to meet specific formats.
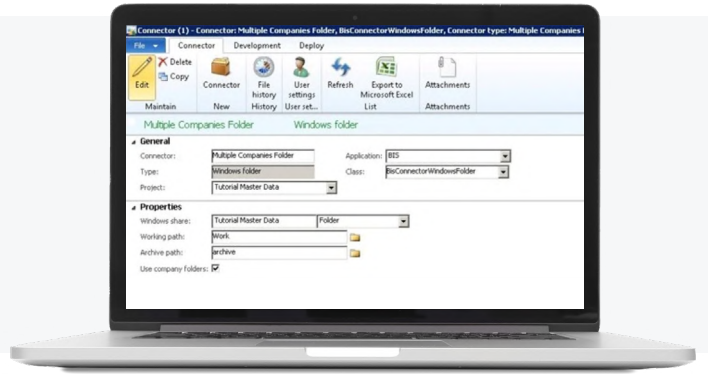

Document actions

Perform a variety of actions on integration documents, such as pre-processing, exchange, and post-processing steps. Standard available actions include email, compression, conversion, copy/move, send/receive, and Azure Blob storage, SFTP, and custom executables.
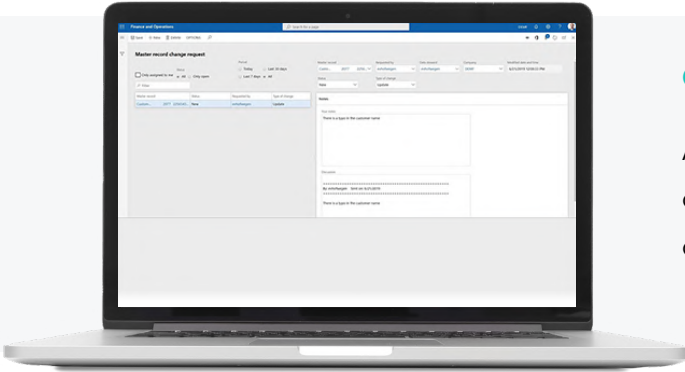
Connectors

Implement technical integration by means of the D365 F&SCM database, file system (folders), Service Bus Queue, web services, e-mail, or data connection with ODBC.
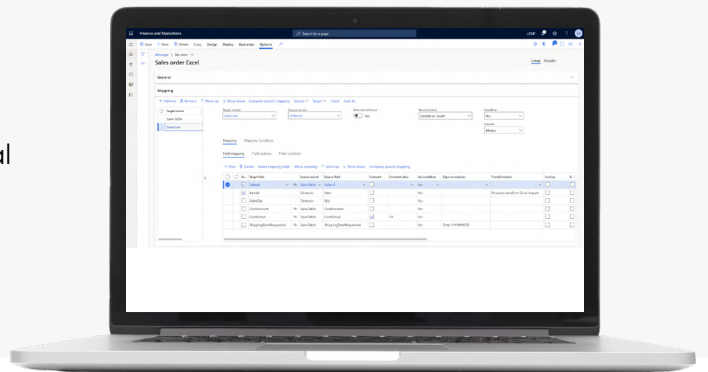

Change log

A change log is used to bundle different data into one set, which can be exported periodically (very common in retail scenarios).
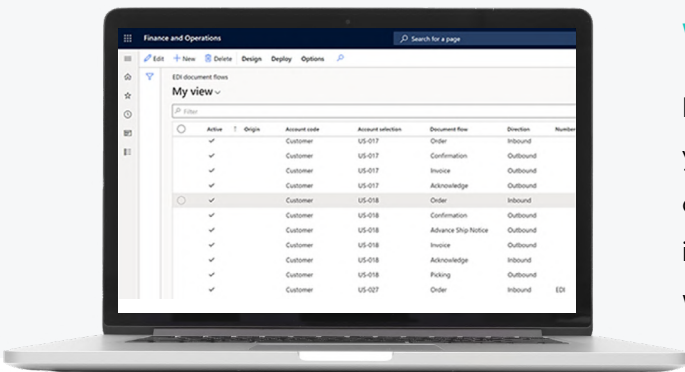

Rich transformation library

The solution offers a rich transformation library to help you automate your integrations. After the initial implementation, you can set up an integration and re-use to automate integrations quickly.
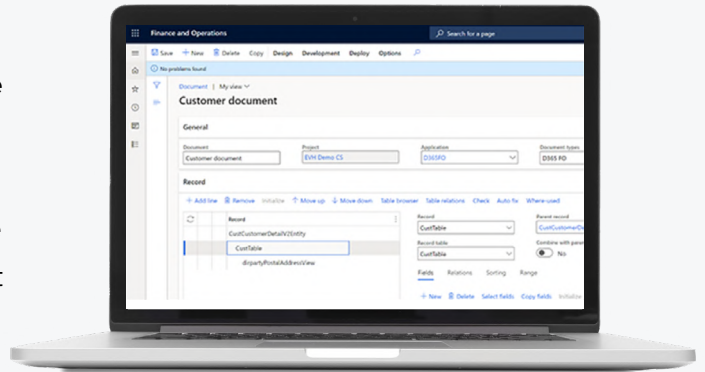

Works with upgrades

Even if Microsoft adds or updates a functionality, you have the flexibility to use (custom) tables, or a combination of multiple standard tables for integrations with the new upgrades to data entities, without any need for development.

Easy deployment

All the setup/configurations for the integrations are stored as data in the system. You can deploy the latest version of any integration with the press of a button any time of the day. No compilation of code is need, so you don't need to wait on a deployment weekend.
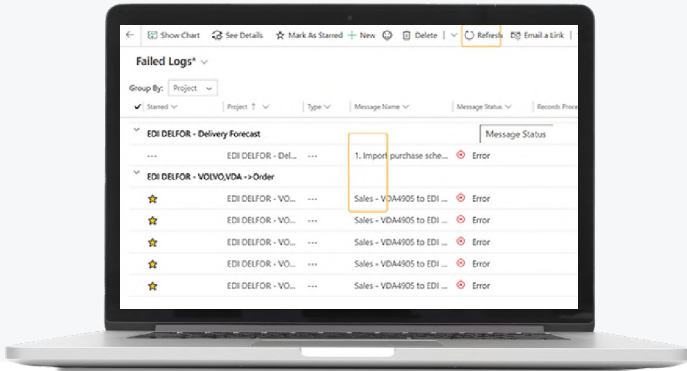
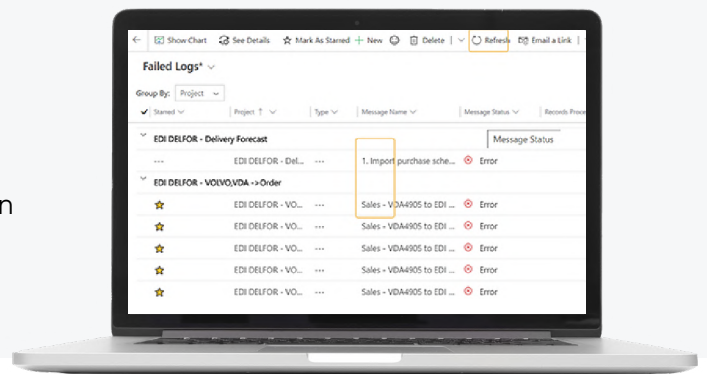# Key Features – Integration Monitoring

Integration Monitoring

Easily monitor, debug, and improve the overall performance of business-critical integrations and business processes with simplified integration monitoring. Gain real-time access to integration health, optimize slow-performing integrations, and trigger quicker error resolutions.
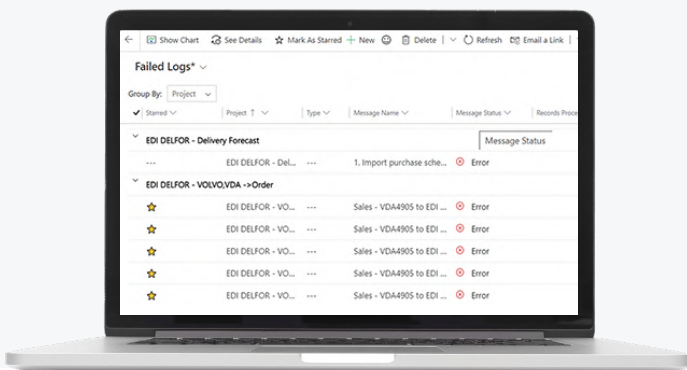
Executive-level visibility on the go

The solution provides a graphical dashboard that gives you a holistic view of your integrations within and beyond D365. It also provides a clear indication of the health of all your applications within your network on your mobile devices or tablets.

Comprehensive message log details

The actionable message log feature allows you to view all successful and failed integration messages, filter, and slice and dice integration errors by project, application, or company.
It then directs you to the location where the errors occurred so that you can assign them to your team for faster resolution.
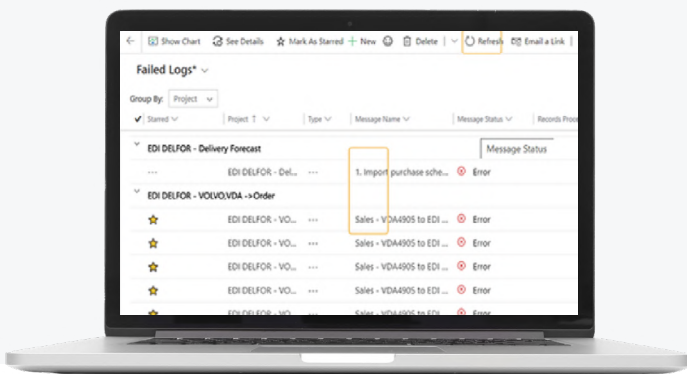
Real-time alerts

You can enable easy-to-understand notifications on Microsoft Teams using adaptive cards or add tailored alerts via Power Automate as soon as there is an integration failure to help you trigger an error resolution immediately.

Easy integration tracking

Focus on your most important or high-impact integrations by easily "starring" key integrations on the graphical dashboard and enabling "smart filtering" so that you can group and examine successful or failed integrations and take remedial actions as necessary.
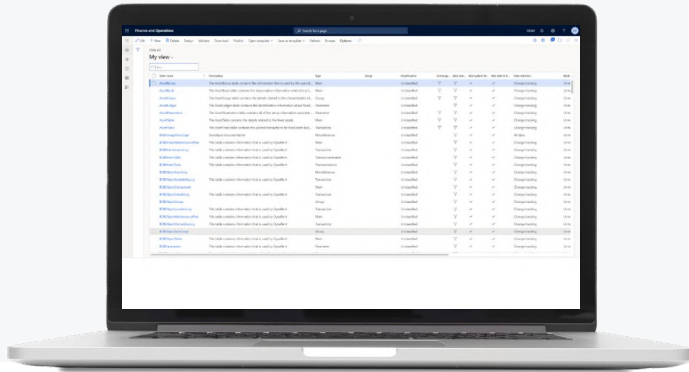
Strategic metrics

Access strategic metrics such as slow-performing integrations and peak message flow times via dashboards to optimize integrations (such as, by optimizing hardware) and keep your application landscape healthy.
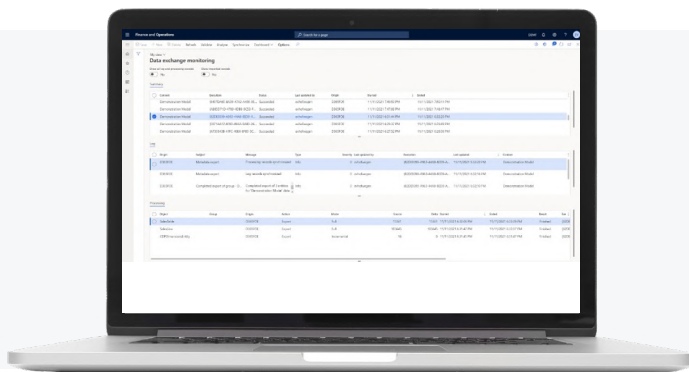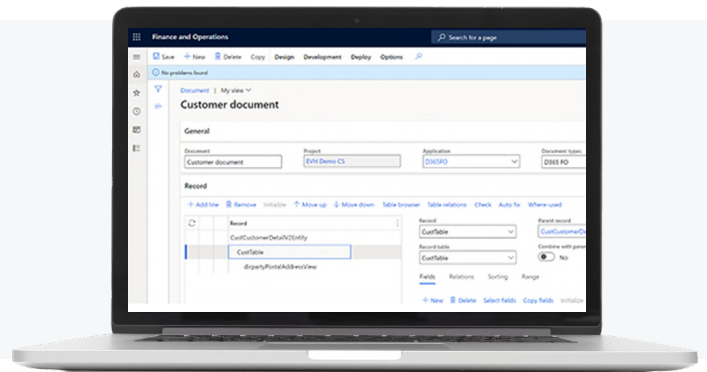
Key Features – Data Modeling

High speed data export

Export large volumes of cross-company, cross-domain specific data at high speed from D365 F&SCM to external systems.

Inbuilt master data validation

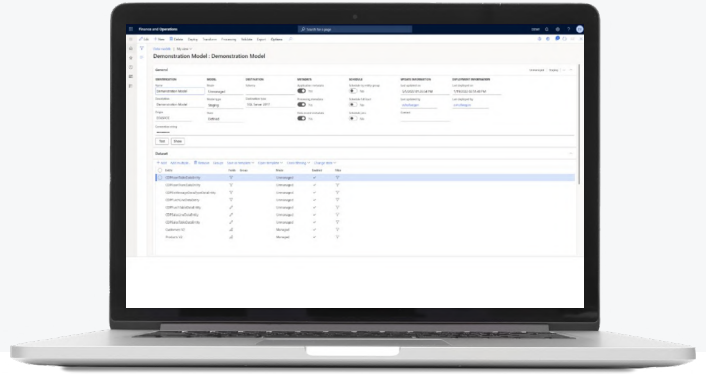Easily validate master data records in D365 F&SCM with a single click during data exports.

End-to-end data monitoring

Gain full visibility into how data flows across various applications including performance specifics such as time taken to export a specific volume of data with our data monitoring dashboard.
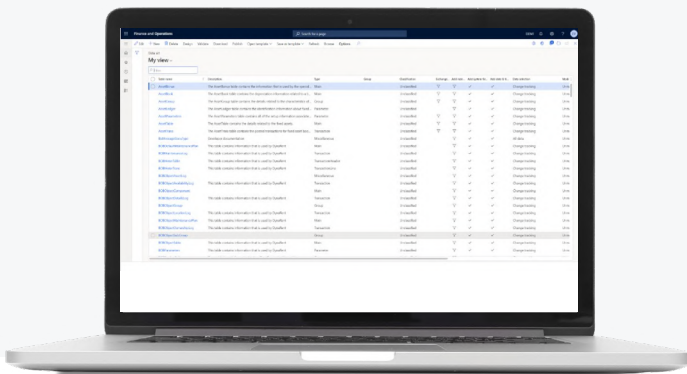
Graphical data modeling

Leverage an intuitive, visual approach to transform unstructured data into structured data and accelerate speed to analytics.

Supports data entities

Ensure zero rework, even when working with data entities, as the solution supports data entities.

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Last mile solutions to peak your business performance

At STAEDEAN, we transform businesses worldwide with our purposeful, intelligent solutions embedded in the Microsoft ecosystem. Our deep domain expertise helps companies in the Equipment Rental, Life Sciences, and Manufacturing industries maximize their ERP potential. Additionally, our comprehensive Data Management solutions provide a solid foundation for organizations across various industries.

Schedule a Demo