



Turning data into action. Irion EDM® Application

One Platform. Many Capabilities.
Hundreds of end-to-end data applications.





Irion EDM® is designed to accelerate the development of enterprise data management solutions tailored to specific business needs. Its flexibility, scalability, and composable architecture make it suitable for any industry and data-intensive process, covering multiple application scopes and market segments.

By leveraging preconfigured components and advanced AI capabilities, organizations can build vertical, end-to-end solutions faster than ever before — with unmatched time-to-solution compared to traditional approaches.

Here are just a few real-world examples of how Irion EDM® delivers measurable business value.

Data Aggregation & Reporting

Powerful tools to consolidate and harmonize data for accurate financial reporting and regulatory compliance. Flexible enough to adapt to evolving needs such as budgeting, forecasting, or compliance with regulations like GDPR, IFRS, AML, and ESG.

Back-Office and Operational Support Optimization

Solutions that streamline back-office operations by automating processes, reconciling data, processing claims, managing cash flows, and improving customer communications, boosting efficiency and reducing operational costs.

Replacing Shadow IT, EUC, and spreadsheets with governed applications

Enabling business units such as HR, Marketing, and Finance to replace shadow IT and spreadsheets with secure, governed applications that comply with IT and Data Governance standards — all built rapidly within a controlled environment.

Legacy application modernization

Transforming outdated legacy systems into modern, flexible architectures that enhance functionality, performance, and user experience, future-proofing critical processes.

AI Model Prototyping & Data Preparation

Empowering Data Scientists to rapidly collect, normalize, and enrich data for AI/ML model prototyping and testing. A low-code environment accelerates experimentation, iteration, and delivery, all within a secure, governed framework.

Key Benefits

A Comprehensive Suite of Capabilities

Experience a robust, fully integrated platform offering advanced functionalities for



data profiling, seamless integration, continuous quality monitoring, classification and enrichment, data masking for privacy compliance, targeted remediation, sophisticated aggregation, and insightful reporting and analysis, all within a single, unified environment.

This empowers organizations to manage, transform, and understand their entire data ecosystem with greater precision and agility.

Powerful Semantic Transformations

Unlock the potential of advanced semantic modeling and data transformation, without the constraints of rigid staging areas or heavy technical maintenance. A flexible architecture makes it easy to reshape, normalize, and adapt data to evolving business requirements and regulatory standards.

Interactive, Data-Driven Solutions

Effortlessly design personalized, interactive solutions that place data at the core of every decision. Take advantage of customizable logic, dynamic dashboards, and powerful reporting tools to deliver user-centric experiences that drive engagement, actionable insights, and measurable impact across the organization.

Accelerated Innovation & Competitive Advantage

Leverage smarter data solutions to innovate faster, optimize resource allocation, automate routine tasks, and reduce operational costs. Empower your business to maximize the value of its data assets, enhance decision-making, and gain a sustainable edge in a competitive market.

AI-Powered Assistance

Harness cutting-edge AI capabilities, including copilot and agentic AI, to transform how users interact with the platform. Natural language interaction allows intuitive communication, while AI-driven rules automate complex decision-making. This intelligent automation boosts productivity, accelerates workflows, and provides adaptive, context-aware support throughout the entire data management lifecycle.

Flexible. Scalable. Collaborative.

Irion EDM® empowers organizations to accelerate innovation, reduce costs, and gain a competitive advantage through better use of their data.

Key Capabilities

Irion EDM® is an end-to-end data platform built to integrate, transform, validate and deliver trusted data across the enterprise.

Its **Declarative model and exclusive proprietary technology** provide powerful capabilities for data integration and management:

- ▶ The platform seamlessly connects disparate data sources, performs cleansing, normalization, validation, and enrichment, and integrates information into business processes and applications.
- ▶ Through REST APIs and multiple publishing options, it ensures interoperability and trusted data delivery to business apps, analytics, and operational systems.
- ▶ With tools for process design, UI creation, role management, and reporting, organizations can configure tailored business applications that adapt to their operational context.
- ▶ Flexible deployment options on-premises, cloud or hybrid guarantee zero loss of functionality across infrastructures.
- ▶ Irion EDM® Application is AI-powered to support configuration users (Data Application Builders) throughout the solution-building process, with the ability to extend AI assistance to end users, enhancing their experience and boosting productivity.



Integrated SpreadSheet

Excel Compatible Spreadsheet Viewer, Interactive Workbook, Tables, Ranges, Charts,...

Visual UI Builder

Intuitive Drag & Drop UI Builder, WYSIWYG approach, context aware properties

Report Designer

Any complexity & «pixel perfect» reports, multiple export formats

Data Connectors

Relational DB, Datalakes, Cloud data platform, Flat files, Open Table format,...

Data Compute Engines

Integration Engine, Masking Engine, Rule Engine, AI/ML Engine, ...

Data Storage, Audit & Traceability

OneClick Audit™, Data Shelf™ & Irion Lakehouse

Process Automation

Task Execution, Time Based Scheduling, Event Management

Enterprise Application Integration

OData REST API, JDBC/ADO.Net Driver

Rapid Application Development

Agile Development & Git Integration, easy Deploy (Std CI/CD, Container & Kubernetes Orchestration), Deployable anywhere Cloud & Hybrid

Integrated SpreadSheet

Irion EDM® enables users to view, analyze, and interact with data through a web-based spreadsheet with Excel-like functionality. It offers a powerful calculation engine, dashboard and chart integration, interactive workbooks, pivot tables, template importing, and model binding.

Data Application Builder can create rich, interactive dashboards and reports, seamlessly connected to underlying data models, ensuring accuracy and consistency. This capability empowers organizations to build data-driven solutions with an experience familiar to Excel users but enhanced by web accessibility and integration, driving better decision-making and collaboration in real time.

Visual UI Builder

Irion EDM® enables businesses to design applications with complex graphical interfaces for both desktop and web environments. It supports customizable viewers, logical data modeling and dynamic data loading, responsive forms, and powerful parametric commands allowing complex interactions – all built using a WYSIWYG, drag-and-drop editor.

Report Designer

Irion EDM® empowers Data Application Builders to professionally create directional, financial, and accounting reports with high-quality pixel-perfect prints. Its design environment enables defining page templates with titles, footers, text, charts, and



images, including master-detail views, simple and nested groupings, and conditional styles. Reports can be then exported in multiple formats for end users.

Data Connectors

Irion EDM® gives organizations the capability to quickly connect and integrate a wide variety of data sources with its extremely rich set of Connectors:

- ▶ Relational databases (e.g., Oracle, Teradata, MS SQL, SAP Hana)
- ▶ Data lakes and data warehouses
- ▶ Cloud data platforms (e.g., Google BigQuery, Snowflake)
- ▶ Flat files (.csv, .txt, parquet, etc.)
- ▶ Open table formats (Iceberg, Delta Lake)
- ▶ Applications Rest API

Finally, Irion EDM® Application enables extraction and integration of information from unstructured sources, allowing the creation of multimodal data pipelines.

Data Compute Engines

Irion EDM® enables the use of multiple data engines, natively integrated in its declarative environment, for different purposes:

- ▶ Scalable and high-performance data transformation and preparation through a declarative, SQL-based approach with visual and scripting options.
- ▶ PowerShell scripts for extended system integration and data preparation pipelines.
- ▶ Sophisticated masking rules ensuring meaningful and consistent masked data aligned with GDPR and data governance requirements.
- ▶ Intuitive business rule management with natural language documentation for data quality or data enrichment and classification, adding business value.
- ▶ Python scripts for advanced analytics and AI solutions, maximizing efficiency and operationalization for complex machine learning projects.

Data Storage, Audit & Traceability

Irion EDM® Application's Data Shelf™ allows flexible, secure long-term data storage and staging, with dynamic schema management and granular user access controls in a relational Database. To meet growing scalability and sharing needs, Irion EDM® Application also embeds a cutting-edge Irion Lakehouse, delivering enhanced storage capacity and seamless data sharing.

Complementing this, OneClick Audit® ensures full traceability, accountability, and replicability of sensitive data processes through secure and detailed audit archiving.

Process Automation

Irion EDM® enables Data Application Builders to simply configure orchestration via automated and scheduled processes and tasks. Furthermore, it offers tools to handle complex scenarios like async command processing and task queue management. It enables creating, prioritizing, and executing tasks asynchronously, reducing idle resource use and improving responsiveness. The platform supports scalable, resilient task handling, structured priority/parallelism, and advanced features like real-time notifications, multicasting, and interactive UI updates.

Enterprise Application Integration

Irion EDM® facilitates the connection of diverse systems within an organization, enabling



seamless data exchange and business process interoperability. The platform supports integration via industry-standard interfaces such as REST APIs, JDBC and ADO.NET drivers, which ensure secure, efficient, and scalable communication with downstream systems. Data Application Builders have full flexibility to configure the most suitable API interfaces for each solution, allowing third-party systems to work with controlled and reliable data.

Rapid Application Development

Irion EDM® enables developers to write in the well-known and powerful languages SQL and Python. The platform supports rapid prototyping features such as AI Powered Copilot, Edit & Preview, IntelliSense, Dependencies Graph, Automatic Refactor, and various other tools that enhance productivity and reduce errors. Configuration synchronization is seamlessly integrated with Git, ensuring effective version control and collaboration.

Once ready, deployment is made easy with standard CI/CD pipelines, containerization, and Kubernetes orchestration, allowing solutions to be deployed anywhere, whether on-premises, cloud, or hybrid environments, ensuring scalability, reliability, and fast time-to-market.



ABOUT

Founded in 2004 and headquartered in Turin, Italy, Irion is a leading software company specializing in Data Governance, Data Quality, and solutions for **Enterprise Data Management (EDM)**. With a strong presence in banking, insurance, energy, and manufacturing, and trusted by leading enterprises, Irion has established itself as a leader and pioneer in the data management landscape. The company was included in the **2025 Gartner® Magic Quadrant™ for Augmented Data Quality**, further strengthening its market position and underscoring its commitment to excellence and technological leadership. Irion's mission is to help enterprises **unlock the full value of** their **data** through innovation, ensuring trust, compliance, and operational efficiency in increasingly complex and regulated ecosystems.



www.irion-edm.com