

Element Unify

Drive smarter, digitally-enabled operations by aligning Industrial IT and OT around rich, contextualized metadata.

OVERVIEW

Why Element Unify?

In Industrials, IT and OT — and the data each team generates — are disconnected, resulting in data silos, inconsistent data quality, and poor data governance. As a result, 95% of Industrial data is unusable, resulting in blind spots in corporate decision-making, a negative impact on business and field operations, and potential risk to the environment and to human lives.

Element Unify addresses this issue. Unify is a new class of enterprise software that brings IT and OT — data and teams — together on a single solution. With Unify, IT and OT work collaboratively to build rich data context at scale, resulting in a single, federated, enterprise-wide and contextualized source of metadata from which users can establish their own single version of the truth. All with a powerful governance engine ensuring data integrity across the enterprise.

Importantly, Unify easily integrates into existing technology — including Cloud environments such as AWS and Azure — with absolutely no rip and replace.

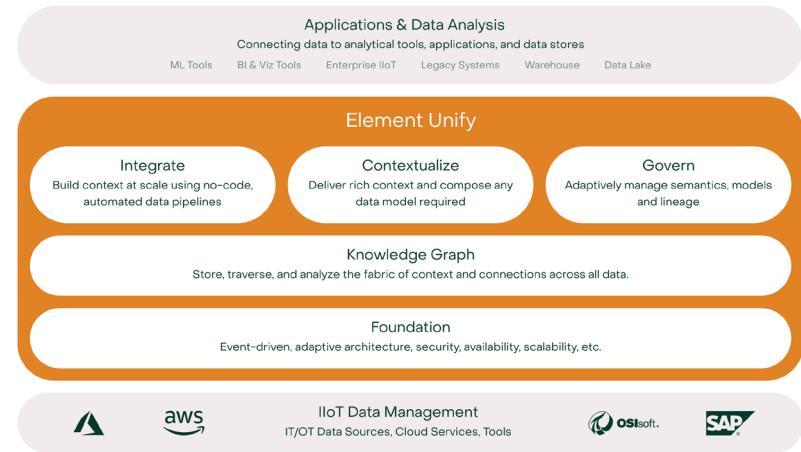
With Unify, enable high impact, Industrial enterprise-wide analytics that improve core business performance outcomes like asset flexibility, security, reliability, safety, and cost.

IT and OT — Together on One Software Solution

With Element Unify, IT teams add meaningful value to the OT data domain with a data management solution that satisfies the OT analytical application requirements while delivering on critical enterprise scale, reliability, and security.

This allows IT to serve their OT partners better, collaboratively driving key operational and business decisions around contextualized metadata. All with the scale, reliability, security, and sustainability enterprise IT applications require.

OT teams enjoy a layered process where every team adds to the overall enterprise data model by providing their perspective. Unify enables teams to leverage previous work, extracting relevant analytics without model re-invention. This drives an increasingly rich, more contextual view of the assets — and corresponding metadata — informing the manufacturing process.



“Element Unify delivers trusted data, allowing us to reduce the amount of unplanned outages and deferrals, and maximize margin. It’s helping us harmonize our data, and ensure its reliability, so we can use it with all of our applications in a trustworthy, repeatable fashion.

Leading Global Industrial

Full-Featured for Industrial Enterprises

Out of the Box Connectors/No-Code Data Pipelines: Easy metadata ingestion from OT & IT systems, spreadsheets and P&ID systems.

Data Contextualization: Combine data and deliver contextualization, and compose whatever data model is needed in order to consume raw data via analytical tools.

Rigorous Governance: Management of data models, semantics and lineage, plus a robust data governance engine that ensures a single source of truth for industrial metadata across the enterprise.

Secure, Scalable, Event-Driven Architecture: ISO 27001 ISMS program, best practices in modern, security conscious, application development practices, and a suite of security management tools to ensure the safety and availability of your data models.

See Business Value in Days, Not Months or Years



Deliver Faster Business Velocity

- 3000% faster time to insight
- 100% increase of the usability of data in decision making



See More Value From the Data

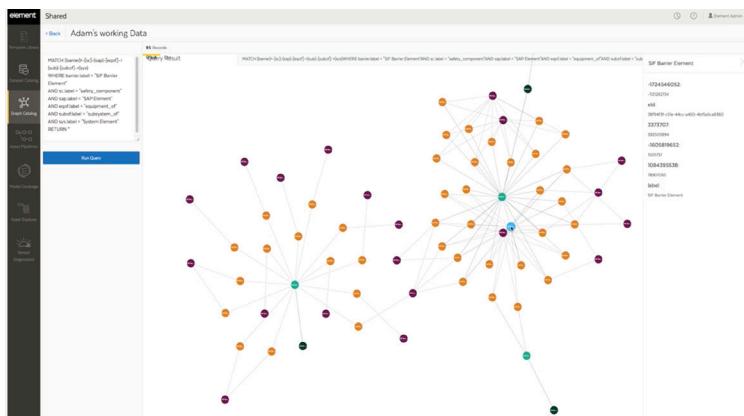
- *Data Usability:* go from 95% of industrial data being unusable to 100% usability
- *Better analytics and insight:* deliver high impact, enterprise-wide analytics that improve asset flexibility, security, reliability, safety, and cost



Reduce Organizational Fragmentation

- Reduce silos, both within OT and across IT & OT
- Accelerate business transformation

Manage it all With the Element Knowledge Graph



A comprehensive knowledge graph of all federated IT/OT metadata enables consumption by any data user or system whether on-prem or in the Cloud. Unify stores metadata in a graph model enabling greater flexibility, scalability and speed.

Related Products

[Element Unify](#) | [P&ID Context Client](#) | [Excel Plug-In](#) | [Element Unify for AWS](#) | [AF Management Client](#) | [Sensor Diagnostics](#) | [Element Unify for Azure](#)

About Element

Element powers digitally-enabled operations for the Industrial Enterprise. Tackling one of the most critical gaps in Industrial IoT — the fact that 95% of data across the Industrial Enterprise is unusable because it's fragmented and disconnected — Element Unify breaks through the data silos by bringing IT and OT data together for the first time on a single solution. With Element Unify, IT and OT teams can collaboratively make data-driven operational and business decisions around rich, contextualized metadata, while ensuring scale, reliability and security.

