



edgeLiberator

UNLOCK CONTEXTUAL INTELLIGENCE FROM STREAMING + HISTORIC EVIDENCE

PRODUCT OVERVIEW

Edge Liberator brings together and validates operational evidence—results data, live or historic telemetry, and SOP / procedural context—into a single contextual-intelligence layer. By correlating lab, batch and test outcomes with governed streams from Edge Guardian, it supplies analytics, digital-twin and AI workloads with the evidence needed for root-cause analysis, decision-making and ISO 42001 data suitability.

PROBLEM

Trapped Value



Data needed for better decisions exists but is trapped in obsolete systems, proprietary formats, disconnected repositories, or unstructured files.

Incomplete Pictures



Telemetry alone is rarely enough; results often need to be validated against process data, and historic records remain inaccessible.

Fragmented Knowledge



SOPs, engineering documents, BIM, asset context, and human actions all sit in different places, making it difficult to reason across the full operating picture.

SOLUTION

How EdgeLiberator Works

1 Diverse Aggregation

Gathers structured, semi-structured, and unstructured content from diverse enterprise sources, including PDFs, video, and legacy systems.

2 Contextual Fusion

Extracts relevant metadata and fuses it with time-series telemetry to create richer operational context around assets and events.

3 Bridging Domains

Unifies OT, IT, and ET streams, transitioning operations from isolated data points to true contextual intelligence.

Key Technical Capabilities



Data Aggregation

Aggregates content from sources including SOPs, results files, telemetry, enterprise systems, SharePoint, BIM, PDFs, images, and video.



Contextual Extraction

Extracts relevant metadata, entities, and relationships from diverse content.



Data Fusion

Correlates outcome evidence with live, governed process streams to create richer operational context across OT, IT and ET



Knowledge Mining

Knowledge mines unstructured and semi-structured content such as PDFs, images, video, and documents.

Business Benefits

OPERATIONAL & STRATEGIC GAINS

- ✓ Unlock value from disconnected & underused data sources.
- ✓ Improve awareness across operational assets & processes.
- ✓ Reduce manual effort required to assemble context for analysis.
- ✓ Support stronger reasoning, root-cause analysis, & AI use cases.
- ✓ Create FAIR data that is easier to search, share, & reuse.

CUSTOMER & MARKET IMPACT

- ✓ Maximised ROI on historical & disconnected enterprise data.
- ✓ Better alignment & interoperability between OT, IT, & engineering (ET) teams.
- ✓ Faster, more accurate root-cause analysis and operational reasoning.
- ✓ Accelerated AI adoption through rich, contextualised data layers.

Typical Use Cases



Results-to-Telemetry Validation

Confirms lab / batch results match time-series telemetry, instantly surfacing deviations.



SOP Compliance Assurance

Cross-checks live data against SOP steps and set-points so non-compliant runs are flagged early.



FAIR Unlock of Proprietary Archives

Extracts and standardises data trapped in legacy historians, PDFs or vendor formats into FAIR datasets.



Multimodal Evidence Correlation

Aligns video, alarms and sensor streams to investigate false positives or emerging safety events.



Contextual Intelligence Feed for AI

Supplies an enriched, single context layer that downstream analytics and AI can trust.

PLATFORM POSITIONING

EdgeLiberator is the contextual intelligence layer of the EdgeMethods platform. It fuses disconnected enterprise content with time-series telemetry, bridging OT, IT, and engineering domains to create a unified foundation for advanced analytics, root-cause analysis, and AI adoption.



edgeConnect



edgeGuardian



edgeLiberator



edgeDataTwin

EdgeLiberator unifies disconnected enterprise content with time-series telemetry, enabling true contextual intelligence for stronger root-cause analysis and operational reasoning.