

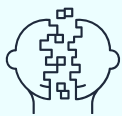
edgeConnect

SECURELY STREAM INDUSTRIAL DATA AT THE SOURCE

PRODUCT OVERVIEW

EdgeConnect is EdgeMethods' secure edge data ingestion and connectivity product, designed to reliably capture, validate, and stream industrial and operational data from edge and OT environments into cloud platforms for analytics, governance, and optimisation. It underpins ISO 42001-aligned AI data management by ensuring secure, traceable streams that EdgeGuardian can subsequently govern.

PROBLEM



Data Fragmentation

Operational data is fragmented across OT, edge, and legacy systems.



Bespoke Integrations

Accessing data securely requires bespoke integrations.



Trust Issues

Data quality and trust issues delay analytics and AI initiatives.



Scale & Governance

Edge environments are difficult to scale and govern.

SOLUTION

How EdgeConnect Works

- 1 Edge Data Capture**
Ingests telemetry and signals locally from devices and gateways.
- 2 Secure Ingestion**
Validates, audits, and lands time-series data into governed data layers.
- 3 Contextual Integration**
Fuses OT, IT, and enterprise data streams.
- 4 Data Readiness**
Prepares trusted data for analytics and optimisation.

Key Technical Capabilities



Connectivity

Provides reliable stream-data connectivity to common OT systems across edge and on-premise environments, enabling secure, low-latency links even inside constrained industrial networks.



Security

Delivers end-to-end, encrypted streaming transfer to Azure, verifying device identity and shrinking the attack surface between OT and IT domains in line with ISO-aligned standards.



Scalability

Supports high-frequency and high-volume data streams across multiple sites and assets, providing scalable connectivity that grows with operational demand.



Integration

Streams high-frequency telemetry straight into Azure, Databricks and digital-twin platforms through consistent pipelines, ready for EdgeGuardian to add governance, metadata and lineage.

Business Benefits

OPERATIONAL & STRATEGIC GAINS

- ✓ Reliable access to IT, OT, edge, and on-premise data.
- ✓ Faster, lower-risk connectivity to cloud platforms.
- ✓ Rapid, scalable rollout across sites and assets.
- ✓ Consistent, complete data flow for analytics and reporting.
- ✓ Lower integration costs without bespoke pipelines.

CUSTOMER & MARKET IMPACT

- ✓ Faster time to value for digital initiatives.
- ✓ Greater trust in operational data.
- ✓ Stronger security and compliance in regulated environments.
- ✓ A future-proof data foundation for AI, twins, and optimisation.
- ✓ Better alignment between OT and IT teams.

Deployment & Commercial

DEPLOYMENT MODEL

Deployable in customer-controlled edge and Azure environments.
Designed for secure operation in constrained industrial networks.
Integrates natively with Azure data and analytics services.

COMMERCIAL

Subscription-based data connectivity.

MARKETPLACE

Available via Microsoft Azure Marketplace.

Typical Use Cases



Operational Reliability & Availability

Reliable telemetry with outcome validation



Quality by Design & Compliance Readiness

Built for regulated and audit-driven environments



OT / IT Situational Awareness

Ingestion across heterogeneous connectivity and delivers event-driven, contextualised data streams into Azure



Energy & Resource Optimisation

Granular ingestion and alignment of energy, water, and resource telemetry with operational context



Accelerating proof-of-concepts

Reduced pilot friction and accelerate time to value

PLATFORM POSITIONING

EdgeConnect is the foundational data ingestion layer of the EdgeMethods platform. It enables downstream capabilities including data governance (EdgeGuardian), contextual modelling (EdgeDataTwin), and optimisation and analytics (EdgeLiberator).



edgeConnect



edgeGuardian



edgeLiberator



edgeDataTwin

EdgeConnect securely unlocks industrial data at the source, enabling faster, safer, and more scalable operational insight