

Beyond connects **above the automation layer** – read-only, non-intrusive – turning operational signals into real-time alerts and actions. No SCADA replacement. No PLC changes.

OPC UA · MQTT

TLS 1.2+

Pilot in 2–6 weeks

Zero Downtime

PRINCIPLE 01

Read-only above automation

Connects to PLCs, SCADA and historians without modifying any control logic or sequences.

PRINCIPLE 02

No infrastructure replacement

Your SCADA, historian and control room remain untouched. Beyond runs alongside, not instead.

PRINCIPLE 03

Edge-to-cloud, event-driven

Signals captured at the edge, processed in real time and delivered before situations escalate.

PRINCIPLE 04

Scales per active tag

Start with critical signals. Expand across sites incrementally – no lock-in, no reconfiguration.

IMPLEMENTATION FLOW

01 Signal Definition

Identify priority tags, define use cases and agree on measurable success criteria.

02 Connectivity Setup

Configure endpoints, validate security protocols and test latency across all sources.

03 Rule Modeling

Define thresholds, correlations, time windows and multi-channel escalation chains.

04 Controlled Go-Live

Activate progressively – monitor, tune alerts and expand to additional sites safely.

TECHNICAL SPECIFICATIONS

CONNECTIVITY & TRANSPORT

- OPC UA, MQTT, REST APIs and HTTPS endpoints
- Gateway, broker or direct controller ingestion
- TLS 1.2+ end-to-end encrypted transport
- Token-based auth with tag-level access control

DATA RELIABILITY

- Message buffering and automatic retry on failure
- Handles out-of-order messages and timestamp gaps
- Edge-side validation before cloud ingestion
- High-throughput ingestion – sub-second latency

ALERT DELIVERY CHANNELS

- Mobile App – field-ready, always-on access
- WhatsApp and Telegram for instant messaging
- Email for structured event reporting
- Microsoft Teams for integrated ops workflow

DELIVERY GUARANTEES

- Unlimited notifications – no per-alert pricing
- Multi-channel escalation if no acknowledgment
- Delivery logs and audit trail per event
- Configurable quiet hours and shift schedules

WHO DOES WHAT

CUSTOMER

Your Team

Provides access to operational systems, defines priorities and validates outcomes at each deployment milestone.

CERTIFIED PARTNER

OT Specialist

Handles OT integration, signal mapping, alert tuning, tag governance and ongoing operational optimization.

BEYOND PLATFORM

Technology Core

Runs the event engine, cloud infrastructure, multi-channel delivery pipelines and continuous platform updates.

DEPLOYMENT TIMELINE

Pilot

2 to 6 weeks from kickoff to go-live

Multi-site

Incremental rollout per site readiness

Zero Downtime

No production interruption at any stage

No Dependency

No dashboards to watch or reports to chase

WHAT CHANGES IN THE OPERATION



Time to detect and respond to failures

<1s

From signal to alert delivery



Field team autonomy without the control room



Alert noise and false positive fatigue

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Notifications – no per-alert pricing



Production stoppages during deployment