

# AI-POWERED LIQUID LEAK DETECTION

Real-time puddle, spray, and vapor detection built for industrial operations.

**24/7**

## Day & Night Monitoring

Continuous monitoring in daylight, darkness, and changing environmental conditions.

**92%**

## F-Score Detection Accuracy

High-accuracy detection designed to reduce nuisance alarms and improve operator confidence.

**100%**

## Edge-Based AI Analytics

AI-powered detection runs entirely on-site for real-time performance and low latency.

**PACEdge**

## App Deployment

Containerized deployment and lifecycle management within Emerson's PACEdge stack.

### Puddle Detection

Detect standing liquid accumulation in real time

### Spray Detection

Identify pressurized releases and active spray events

### Vapor Detection

Monitor visible vapor releases and emissions events



VisionAery Application



### Compatible Emerson IPC Platforms

- IPC 6010 Series
- IPC 7010 Series
- IPC 8010 Series

### Built for Harsh Industrial Environments

- 40°C to 70°C
- Fanless
- IP20 Dual Heat Sync
- Shock & Vibration Resistant
- PCIe expandability

### Operational Integration Ecosystem

#### PACEdge Integration

- MQTT Alarm Ingestion
- MQTT-to-OPC UA Conversion
- DeltaV Alarm Workflows

#### Alarming & Control

- MQTT Ingestion
- MQTT-to-OPC UA
- DeltaV/SCADA alarm workflows

#### Operations

- Remote updates
- Container Management
- Telemetry Tracking

#### Visualization

- Grafana / Movicon dashboards
- RTSP overlays

## TWIN EAGLE SOLUTIONS + EMERSON

### Built for Real-Time Industrial Monitoring

- Earlier Leak Awareness
- Faster Response
- Reduced Environmental Risk



Schedule a Proof of Concept Today!

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