LINQUE

INDUSTRIAL INTELLIGENCE

Have a Use Case in Mind? Let's Talk.

Bring Linque a visual challenge affecting quality, safety or process performance. We'll help define what VisionAI needs to recognize, evaluate the operating environment and determine the right approach for validation and deployment.

Talk to a VisionAI Expert

Request a demonstration, application assessment or proof-of-concept discussion.

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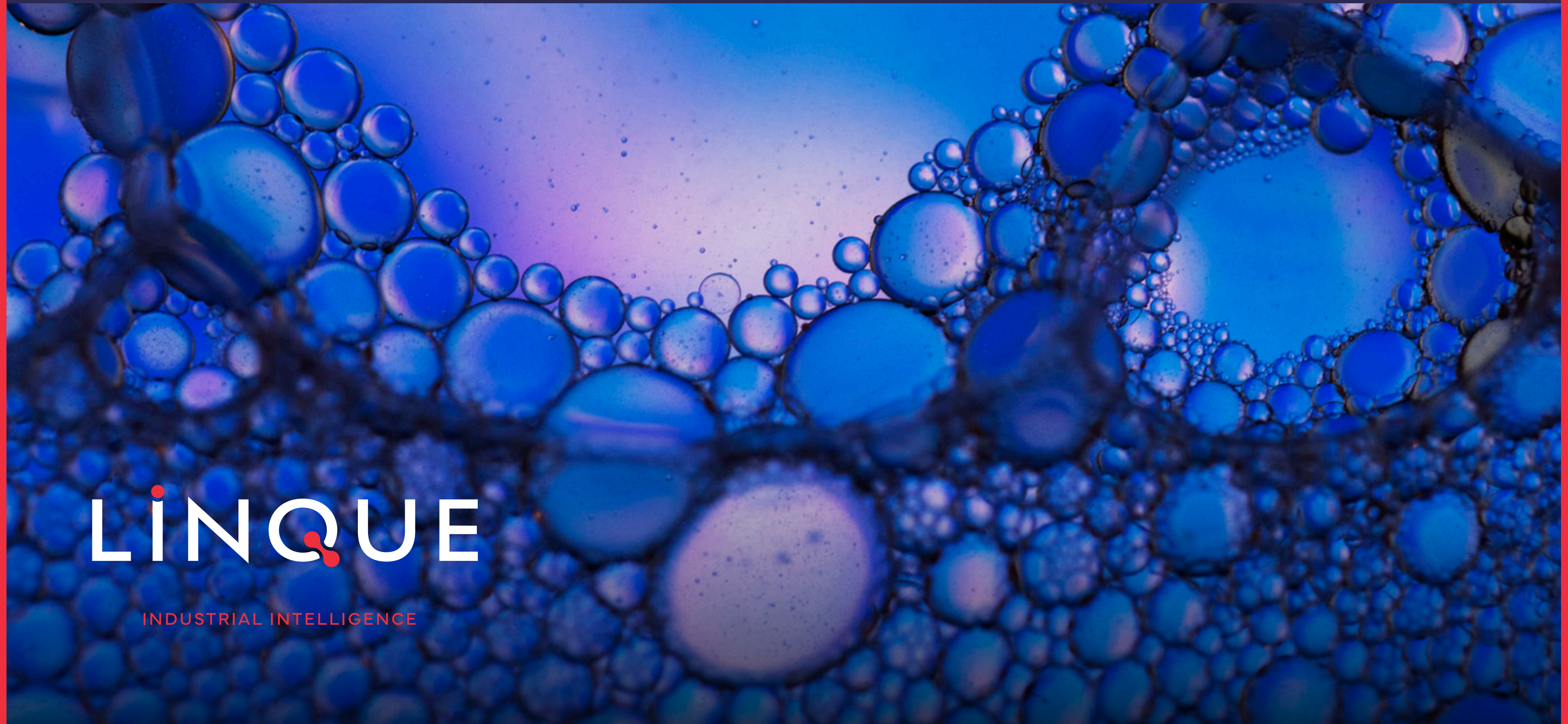
VisionAI

See More. Understand Sooner.

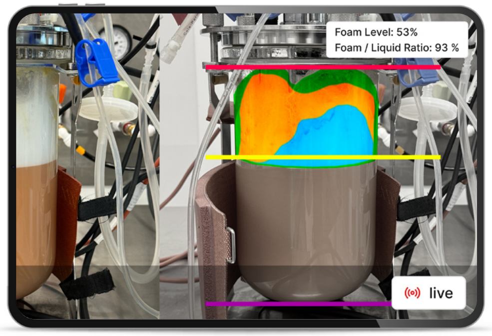
Real-time visual intelligence for quality, process control and aseptic operations across life-science manufacturing.

- VISUAL INSPECTION
- FOAM DETECTION
- ASEPTIC MONITORING



Add Process Context to Visual Monitoring

Traditional pass/fail systems show what happened. VisionAI adds context by evaluating visual conditions, movement and timing, then delivers actionable measurements, alerts and event data. Built for life-science operations, VisionAI is hardware-agnostic and works with existing or purpose-selected cameras and Linque-supplied or customer-procured edge devices.



See

Capture critical process conditions using existing or purpose-selected cameras.

Interpret

Evaluate visual conditions, movement and process context over time.

Act

Deliver measurements, alerts, overlays and time-stamped event records.

Improve

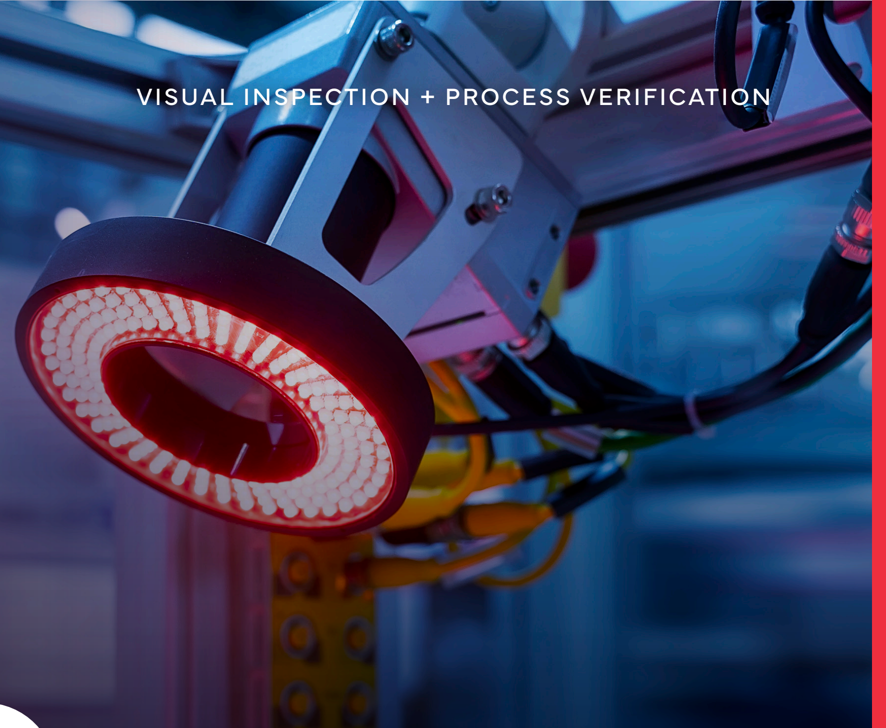
Use operational insight to strengthen quality, consistency and performance.

More Than Pass/Fail

From reactive monitoring to actionable intelligence

Traditional Visual Monitoring	VisionAI
Evaluates isolated images or fixed conditions	**Evaluates conditions across time and context**
Produces a pass/fail result	**Delivers measurements, alerts, logs and insight**
Often depends on dedicated infrastructure	**Works with existing or purpose-selected cameras**
Identifies an event after it occurs	**Helps reduce labor, protect yield and improve productivity**

Apply VisionAI Across Life-Science Operations



Detect Product & Quality Issues

- Particulates and fibers
- Label and packaging errors
- Fill and finish defects
- Foreign materials
- Glass-lining anomalies

Monitor Materials & Production Activities

- Unit and carton counts
- Receiving and sorting
- Material movement
- Process timing
- Production workflow

Verify Equipment & Process Steps

- Sterile-weld completion
- Single-use skid builds
- Valve and transfer-panel positions
- Equipment setup and disassembly
- Cleaning procedures

Confirm Aseptic & Procedural Adherence

- PPE and gowning
- Sterile technique
- Aseptic pathing
- Material handling
- Defined SOP steps

REAL-TIME MONITORING FOR CRITICAL PROCESS CONDITIONS

Foam Detection

Foam can develop quickly, compromise filters, increase antifoam use and threaten batch performance. VisionAI continuously measures foam and liquid levels through a live camera feed, giving operators real-time visibility and configurable alerts based on defined process conditions.

Proven in production

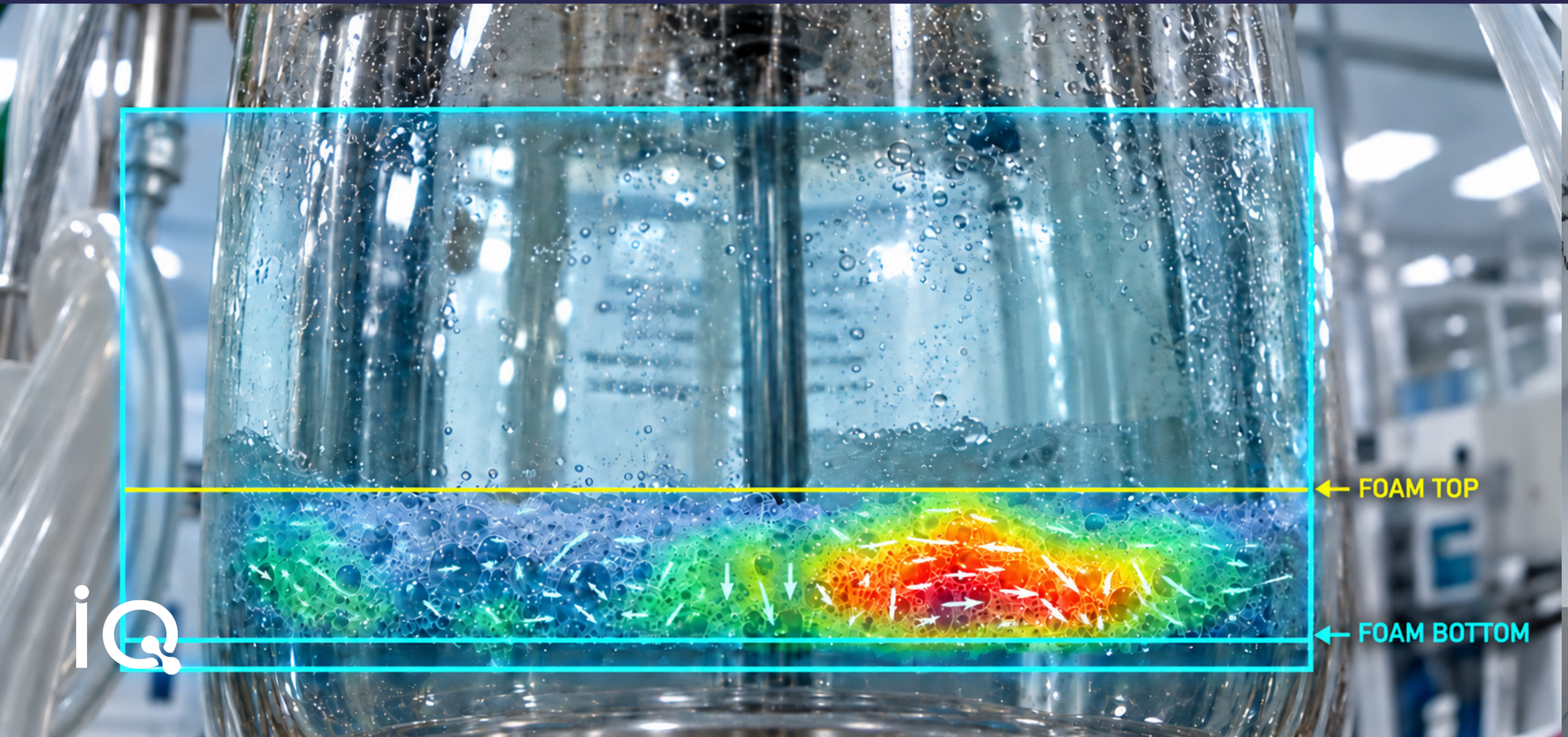
VisionAI foam monitoring has been deployed across 64+ bioprocess vessels, providing continuous visual monitoring at production scale.

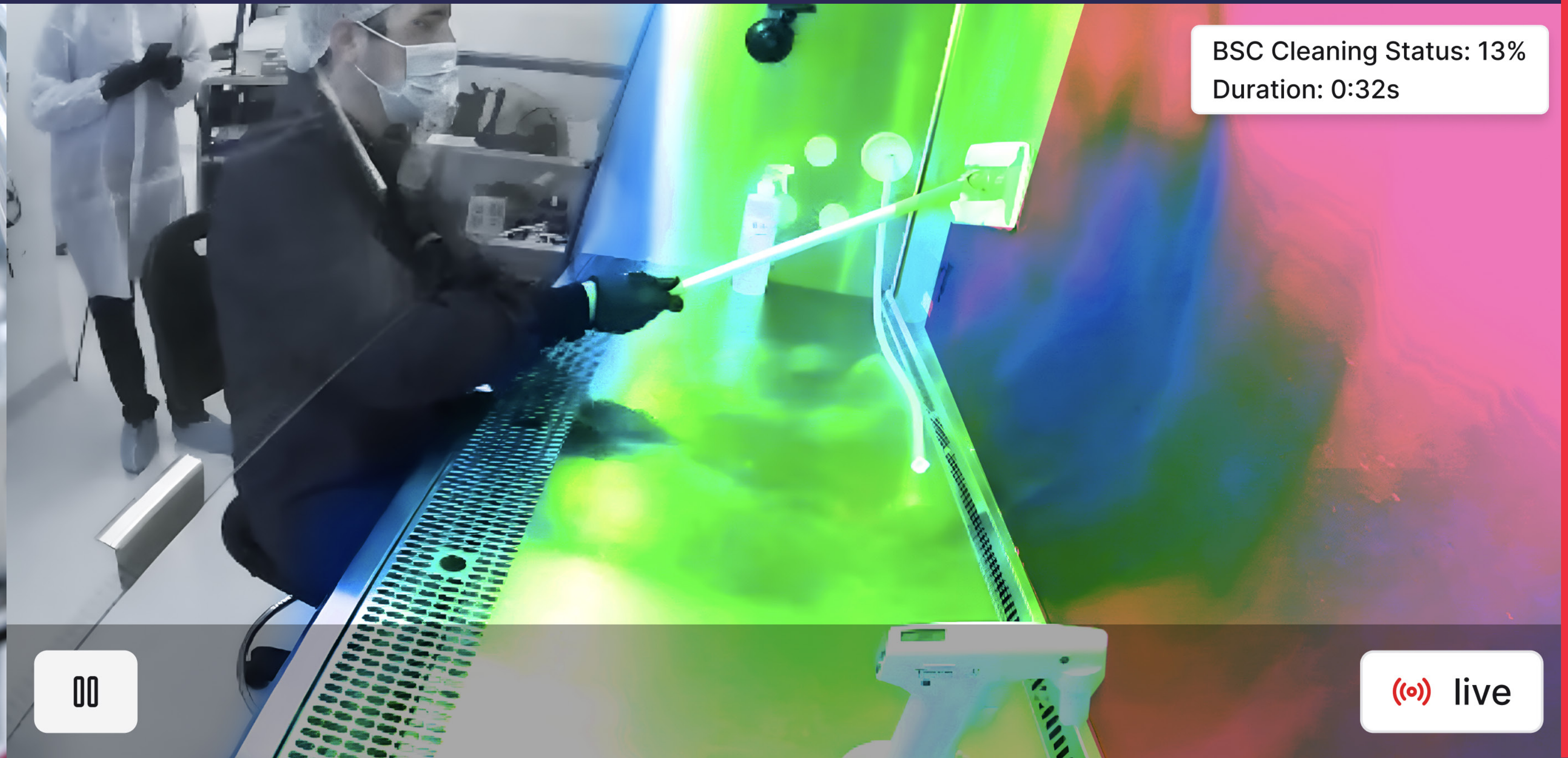
- Quantifies foam and liquid levels frame by frame
- Uses visual appearance & movement to identify foam conditions
- Evaluates scene quality before reporting a measurement
- Applies configurable thresholds and timing logic
- Connects results with dashboards and automation systems
- Processes readings at the edge without requiring a cloud round trip

Aseptic Monitoring

Inside Biological Safety Cabinets and other sterile environments, small procedural deviations can create significant contamination risk. VisionAI monitors defined operator actions, material handling and workspace conditions to help teams identify deviations as they happen.

- Monitors SOP and sterile-technique adherence
- Detects defined procedural deviations
- Generates alerts and time-stamped event records
- Supports post-event review and process improvement
- Processes sensitive visual data locally when required
- Scales across multiple BSCs and sterile environments





INDUSTRIAL INTELLIGENCE

Built Around Your Process

Start with the problem, not the technology.

Linque works with your team to define the visual challenge, understand the operating environment and establish what success looks like before configuring the VisionAI application.

On-Premise and Edge

Process visual data near the source for low-latency performance and greater control over where data is processed and stored.

BEST SUITED FOR

- Data-sensitive environments
- Real-time monitoring and alerts
- Limited-connectivity or closed systems
- Local control and administration

Cloud

Centralize processing and administration to scale across cameras, production lines and facilities.

BEST SUITED FOR

- Multi-site programs
- Centralized dashboards
- Scalable camera fleets
- Remote administration

Move from Use Case to Deployment

VisionAI can be configured around specific visual targets, operating procedures and quality requirements, from small product defects and foreign materials to multistep manufacturing processes.

1 Assess

Define the visual target, operating conditions and desired output.

2 Configure

Collect representative footage and calibrate the AI.

3 Validate

Evaluate performance against agreed requirements.

4 Deploy

Connect approved outputs and expand as needs evolve.

Integration-Ready

VisionAI connects with flexible edge devices, automation environments and business systems. Linque can supply the required hardware, or customers can procure it to Linque specifications.

OPC/OPC-UA | REST API | MQTT | JSON | SCADA | ERP | BI | Lab Systems

Support Deeper Analysis Over Time

VisionAI can connect visual events with process data, historical records and operational knowledge. Depending on the application and available data, these connections can support trend recognition, quality investigations, root-cause analysis and recommended next steps.

Advanced predictive and agentic capabilities are configured according to the application and deployment scope.