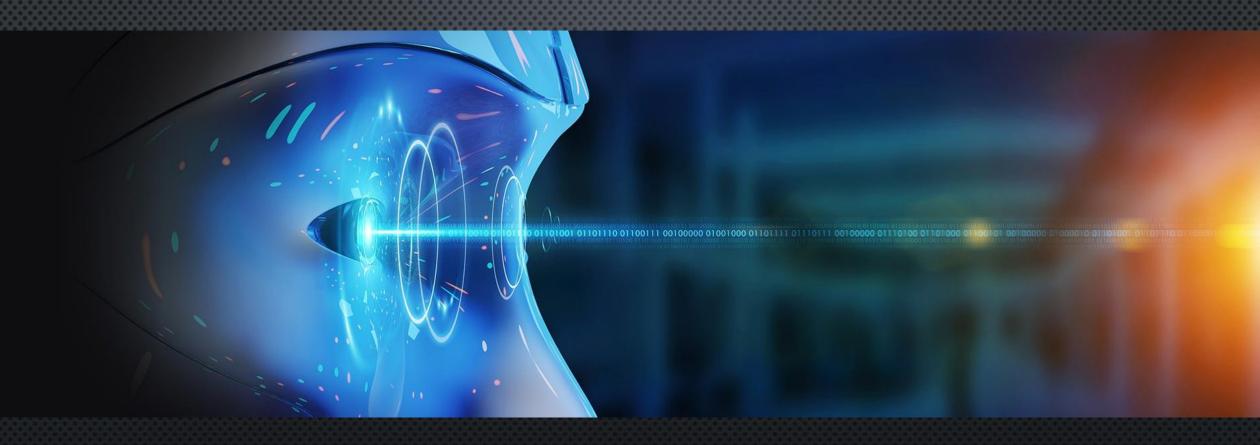
GRAYMATICS



COGNITIVE MEDIA PROCESSING

deep sensing at cloud scale



LABVISTA

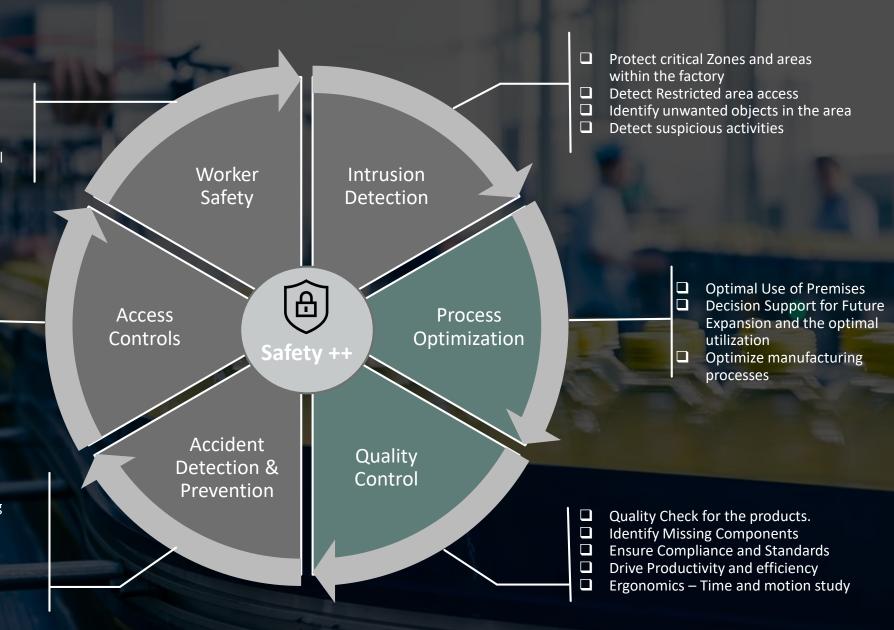
SAFETY REDEFINED++

IVA FOR SMART MANUFACTURING



- Alert and Alarm personal moving close to these areas
- ☐ Face Recognition for identification
- Detect, alert suspicious activities
- Identify Unauthorized access
- ☐ Track Suspicious objects and person of interest

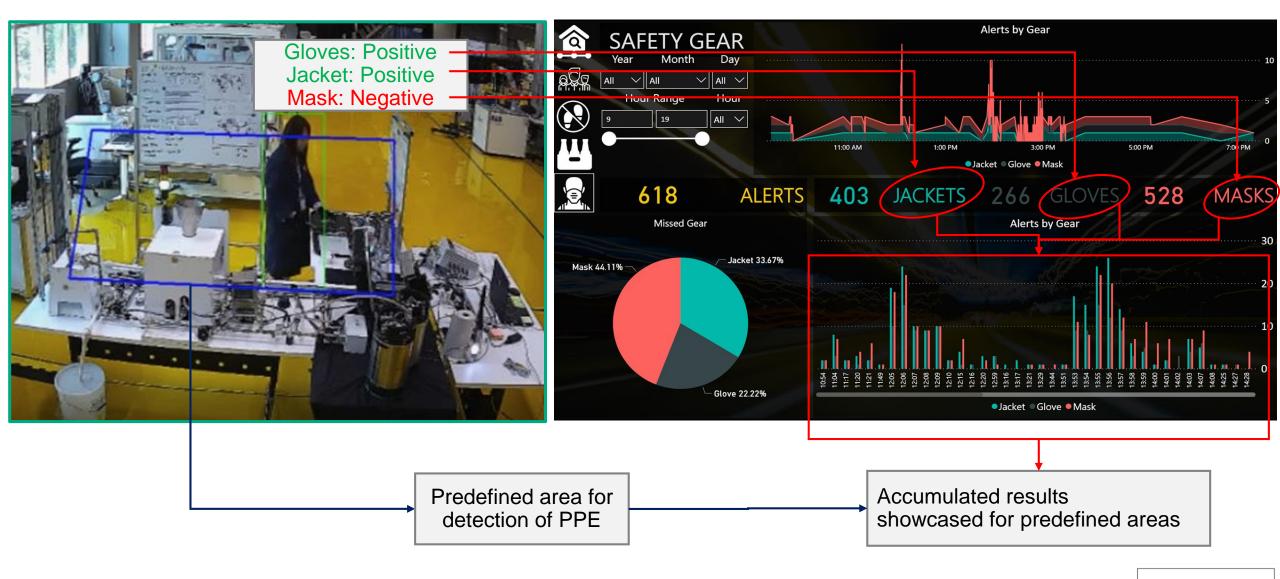
- ☐ Detect Accidents such as smoke, fire, sparks, flooding etc.
- Detect collisions, worker altercations
- Identify unwanted objects causing obstruction



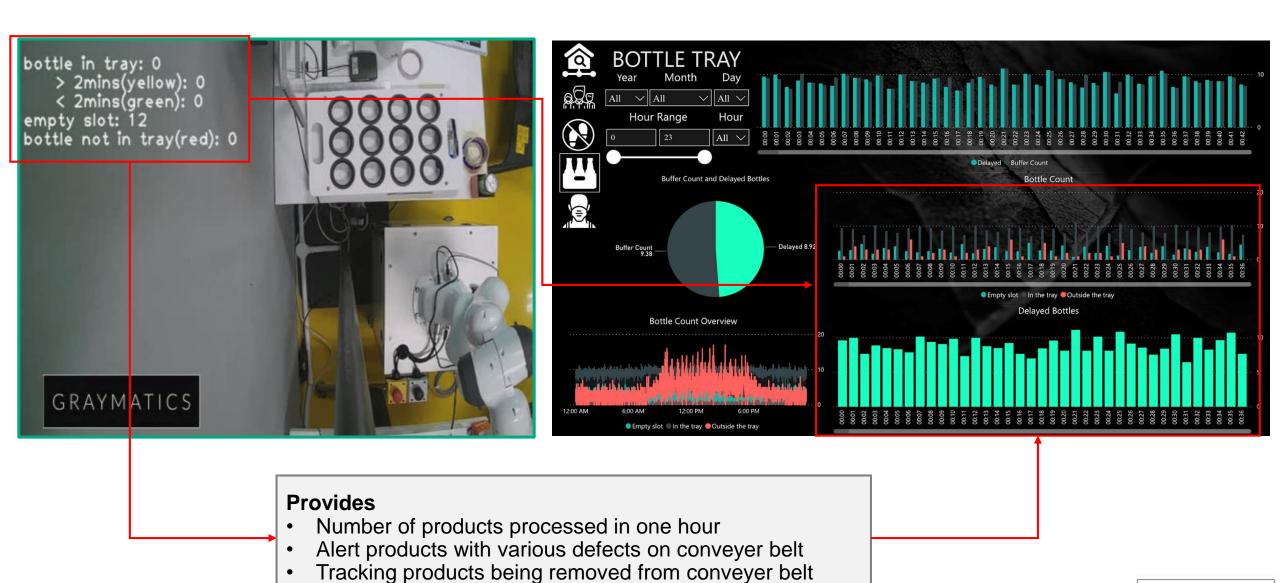
LabVista Safety++: Staff & Visitor Analytics and Intrusions



LabVista Safety++: Safety Gear Compliance



LabVista: Process Optimization and Quality Control



BRINGING IN VIDEO AI TO MAKE YOUR MANUFACTURING PROCESS SMARTER

Digital Video Recording

- Manual Systems and Processes
- Disparate VMS Systems
- Reactive Slow Systems
- Limited Integration

Intelligent Video Analytics

- Immediate, Fast Anomaly Detection
- Automated Alerting Functions
- Better Accuracy with Al Driven Algorithms

Driving Actionable Intelligence

- Automated Systems and Processes
- Integrated systems and event Correlation
- Immediate Response
- Centralized management
- Situational Awareness

Al Driven Predictive Insights

- Proactive Systems
- Prevent Incidents from happening
- Artificial Intelligence and Deep Learning

Predict

for the protection of critical infrastructure and public safety:

- Gain access to relevant information
- Transform connected data into actionable information

Prevent

mishaps and perilous incidents:

- Share information across organizational boundaries
- Synchronize resources and activities for effective response

Respond

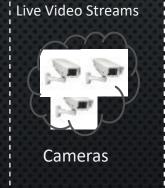
to crises in the most efficient and effective manner:

Enable dynamic resource deployment to meet complex, rapidly developing situations



LabVista Solution Architecture





Video feeds Directiv



VIDEO ANALYTICS TIER

I Video Decoding
Inference Accel.
NVIDIA Tesla P4



Edge Server/ Cloud instance

Data Analytics, Dashboarding



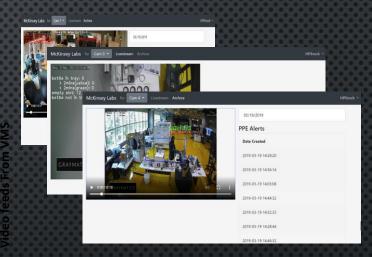


Analytics/ Visualization Tier

Video Streams (Live or Recorded)



- ✓ People Detection
- ✓ Safety Gear Validation
- ✓ People Counting
- ✓ Intrusion Detection
- ✓ Bottle Tray Process
 Optimization



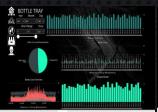


Video Management System

Dashboards on

- ✓ Reactor Intrusions
- ✓ Bottle Tray Process Efficiency
- ✓ Safety Gear Voilations







Cloud / On-premises

- Hardware initiation
- Solution Environment

From the client

- CCTV RTSP links
- Stored videos
- Login credentials

GRAYMATICS

- Algorithms
- Database
- Dashboard

1-2 WEEKS

CLIENT

1 WEEK







LABVISTA SOLUTIONS WORKFLOW

Testing

WEEK 0

- User environment
- Data behaviour

Deploy

- User Guide
- Documentation

1 WEEK

LabVista Ready to use!







Summary

Comprehensive Solution



Cloud <-> Edge Core Strategy



Open Scalable Storage



Partner First Approach



Proven **Experience**



Complete end to end, top-end Video Analyticspowered solution. Cloud or Hybrid with Ruggedized edge / core platforms.

Flexible, Optimal, scalable & Open storage platforms to meet scale.

Closely knit extensive and proven partner ecosystem Extensive list of customer references from around the world.

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See Through the Clutter