

The background of the slide is a composite image. It features a large industrial facility, possibly a refinery or chemical plant, with numerous tall distillation columns and storage tanks. The facility is situated along a body of water, with several barges or small ships docked at a pier in the foreground. Overlaid on this industrial scene is a network diagram consisting of white dots (nodes) connected by thin white lines, representing a 5G network. A bright, glowing sun or light source is positioned in the upper center, casting a warm, orange glow across the entire scene and creating lens flare effects in the bottom right corner.

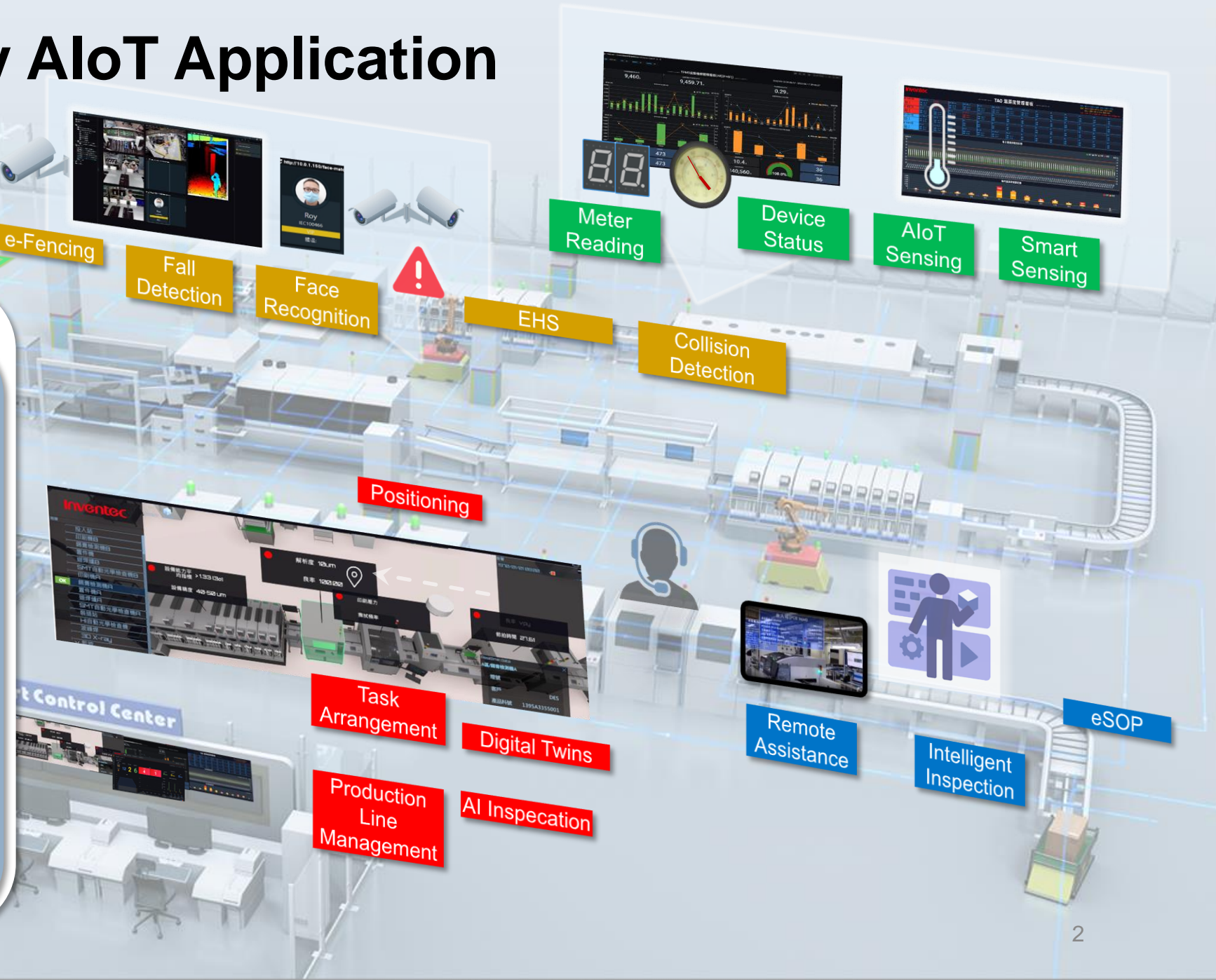
Inventec *5G*

The Collaboration of 5G and Wi-Fi

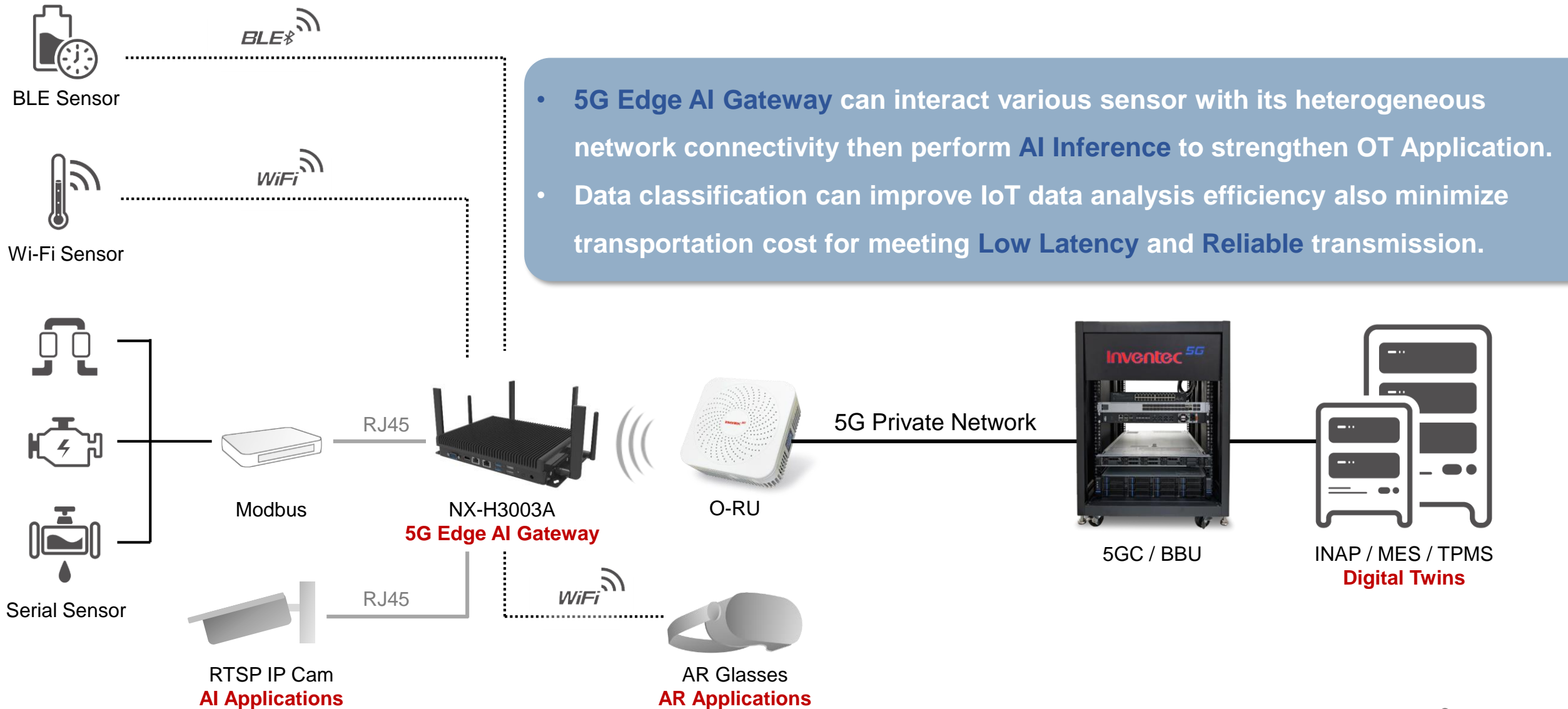
5G Private Network Solutions Division

5G Smart Factory AIoT Application

Plenty of Machinery
Sensors run in different
media which consists of
5G; Wi-Fi; Bluetooth and
Ethernet Cable...



Heterogeneous Network Connectivity



AR Application

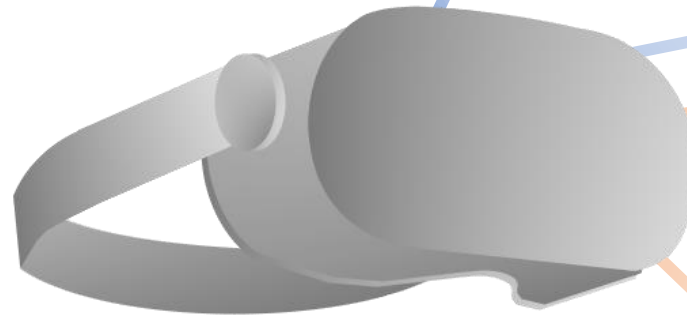
- Solve **Remote Assistance** Difficulty.
- Minimize Learning Curve for New Comer.
- Keep Lessons Learned Continuously.
- Eases **Machinery Operation** Complexity.



eSOP / Remote Assistance



Wi-Fi



AR Glasses



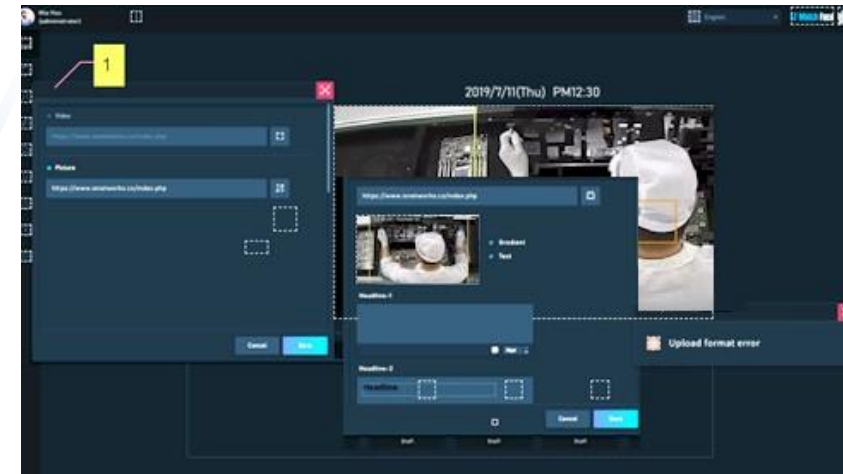
5G Edge AI Gateway



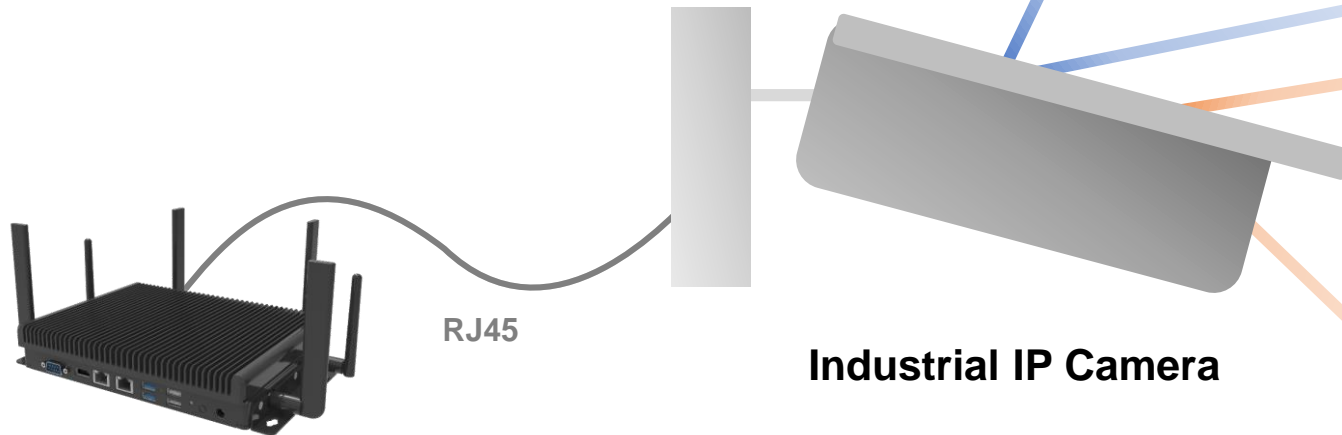
Intelligent Inspection

AI Application

- Solve Human Error Problem.
- Solve Environmental Problem.
- Address **Manpower Shortage**.
- Solve **Blind Spot Monitoring** Problem.

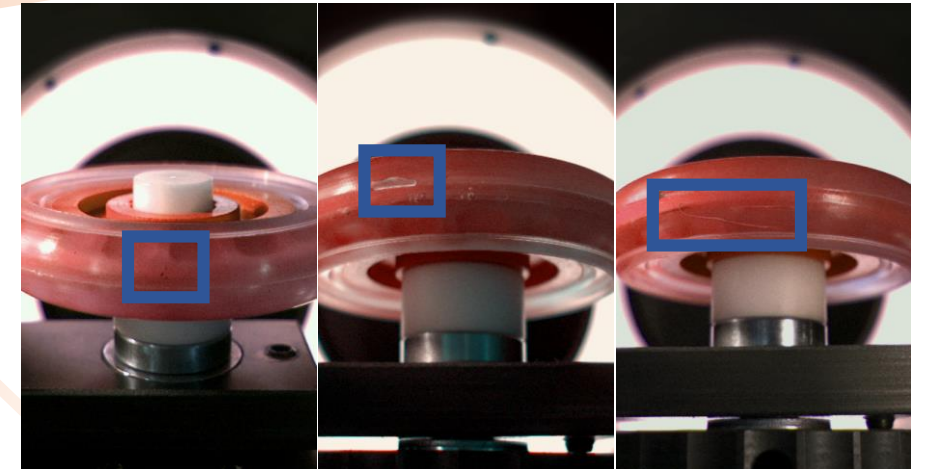


Gesture and Cycle Time Monitoring



5G Edge AI Gateway

Industrial IP Camera



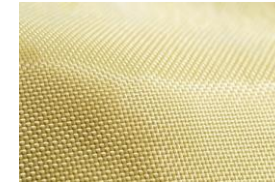
Defect Detection

AI Computer Vision in Textile Industry

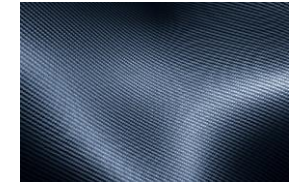
- **Movable** to fit textile machinery.
- Adjustable design (camera; coverage... etc.)
- Change camera arm in **different height**.
- Stop the conveyor when defect is inspected.
- Send the defect checking **event log** immediately.



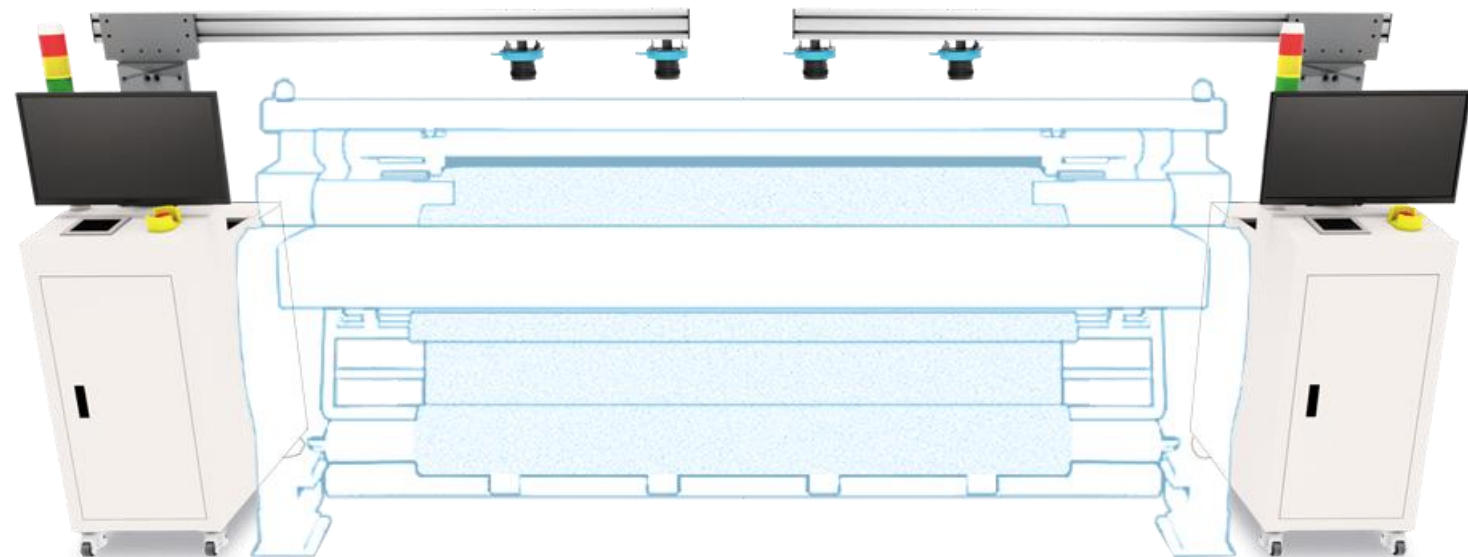
Electronic Glass Fabrics



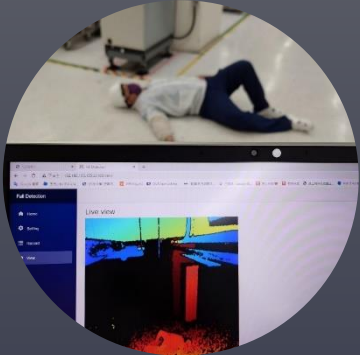
Kevlar Fabrics



Carbon Fiber Fabrics

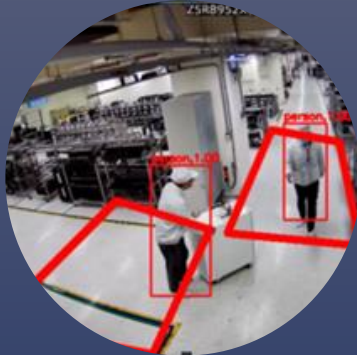


AIoT⁺ Efficiency



Electronic Fencing

- Improve EHS
- Eliminate Incident



Regional Control

- Reduce Collision
- Minimize Accident



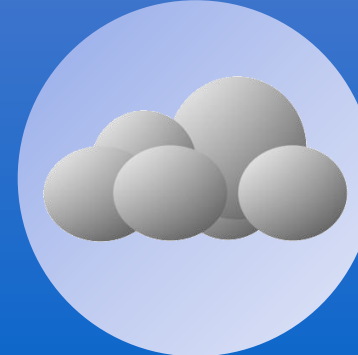
PPE Detection

- Improve Safety
- Avoid Disaster



Heterogeneous Networking

- OEE Management
- Boost Productivity



CMS System

- Failure Forecasting
- FPY Improvement

An aerial photograph of a large industrial complex, possibly a refinery or chemical plant, featuring numerous storage tanks, distillation columns, and a dense network of pipes and structural steel. The image is overlaid with a glowing blue digital network consisting of interconnected nodes and lines, symbolizing 5G connectivity and industrial automation.

Inventec 5G

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