GST, FROM SENSOR TO DECISION

Sensors

Videos

Signals

MultiMedia sons, images 2D, 3D,..

Input Data

0101010
1010100
1010010
1000101
010100

Knowledge

Decision

GlobalSensing Technologies
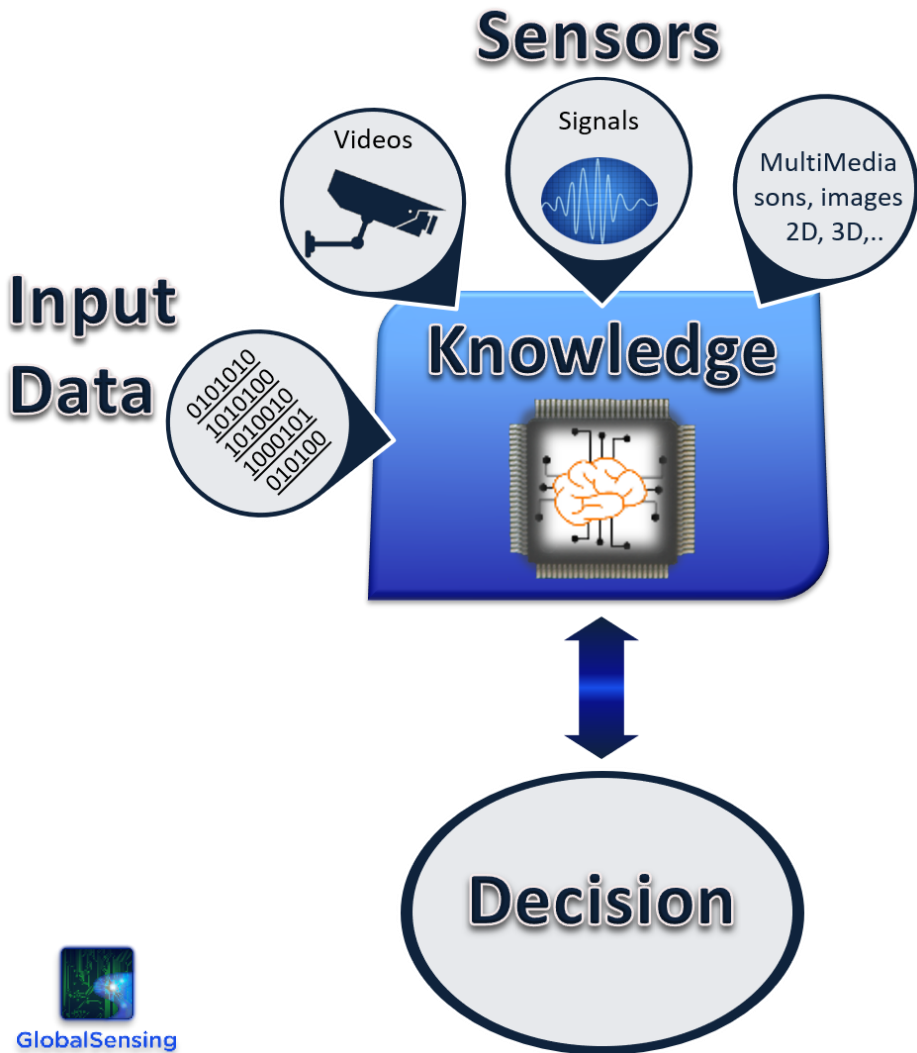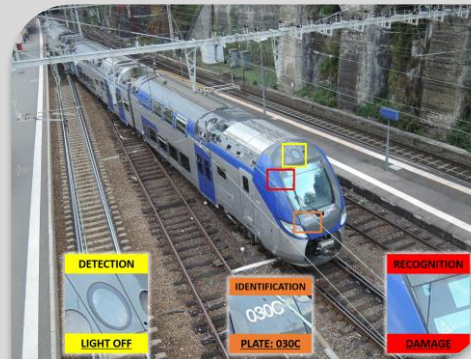
GlobalSensing Technologies (GST)

- ❖ Created in September 2011, 12 employees (10 in R&D)
- ❖ Developer of smart recognition solutions integrating artificial intelligence (deep learning, machine learning,...)
- ❖ Technology based on neuro-inspired algorithms
- ❖ Optimization of algorithms for real-time recognition applications
- ❖ Implementation on different processors: FPGA, GPU, NPU, ARM,...
- ❖ Hardware Boards Design
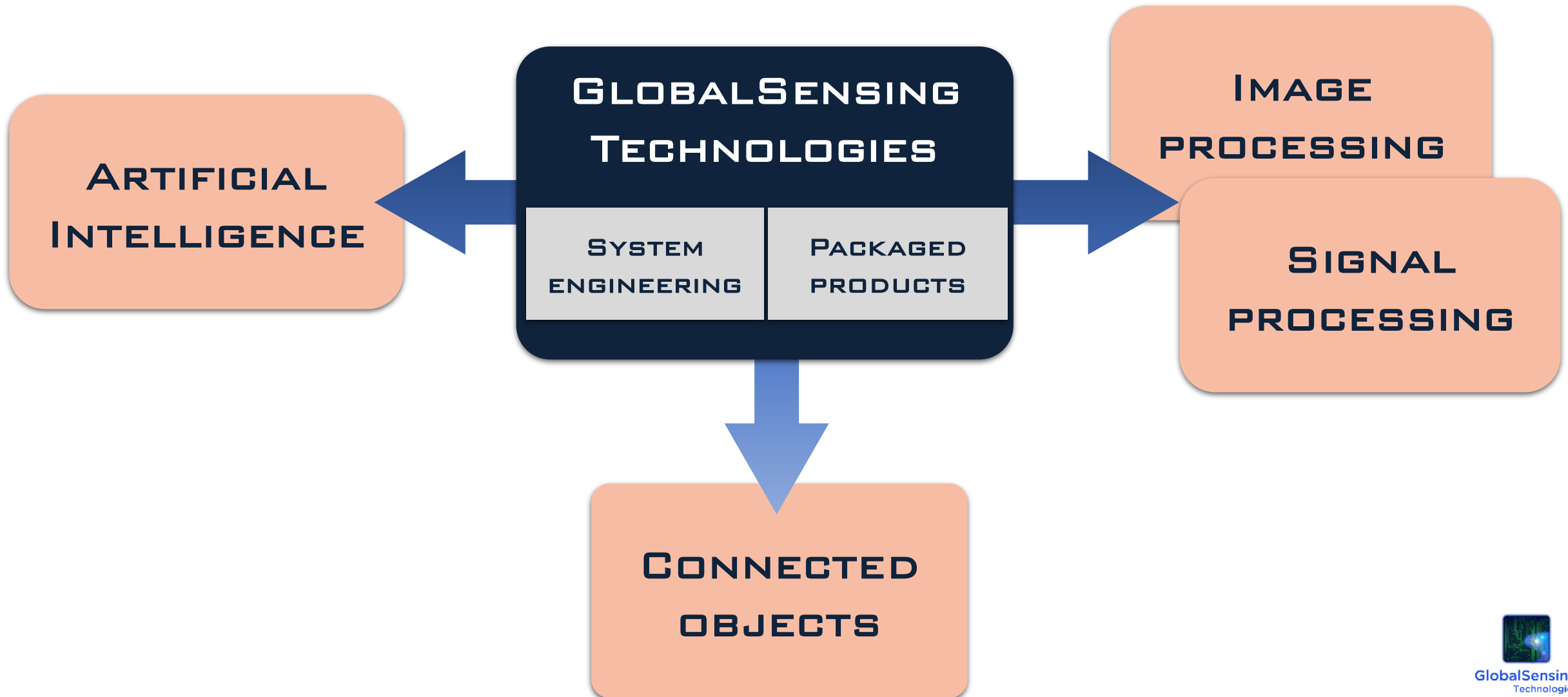
Business activities

- ❖ Predictive maintenance
- ❖ material and People Security

DETECTION

LIGHT OFF

IDENTIFICATION

030C

PLATE: 030C

RECOGNITION

DAMAGE

EXPERTISE

GlobalSensing Technologies

| System engineering | Packaged products |

Artificial Intelligence

Image processing

Signal processing

Connected objects

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SMART RECOGNITION SOLUTIONS

APPLICATIONS

❑ PERSONS (DETECTION/RECOGNITION)

❑ CHARACTERS

❑ OBJECTS
  - ✓ COLOUR
  - ✓ SHAPE / OUTLINE
  - ✓ COUNTING
  - ✓ DEFAULT / ANOMALIES

❑ SIGNAL ANALYSIS
  - ✓ VIBRATION
  - ✓ ACOUSTIC
  - ✓ ....

❑ MULTI-SENSORS ANALYSIS

BUSINESS LINES

➢ CONTROL SYSTEM FOR ROBOTIC

➢ DRIVER ASSISTANCE

➢ MULTIPLE EVENT DETECTION (SECURITY)

➢ AUTOMATED INSPECTION

➢ TRACKING (PERSON AND OBJECT)

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PREDICTIVE MAINTENANCE:
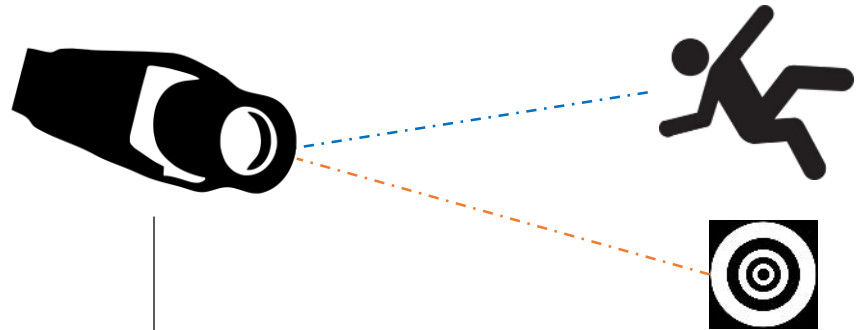# REAL TIME INSPECTION SYSTEM IN TRANSPORTATION

Product available soon (2019)

- ❖ **Smart NeuroCam:** Smart camera, low-power consumption, for real-time infrastructure inspection

- ❖ **Application:** Anomaly detection
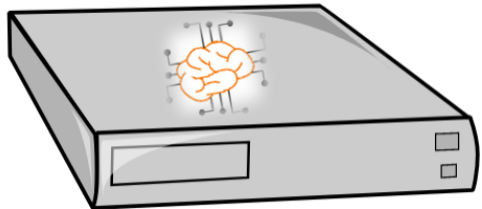

GlobalSensing
Technologies

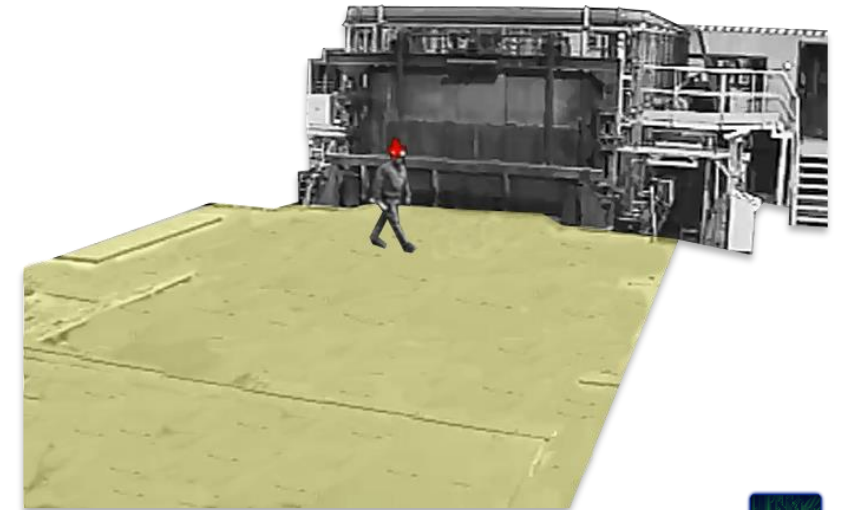# MATERIAL AND PEOPLE SECURITY
INTRUSION DETECTION SYSTEM

Human recognition
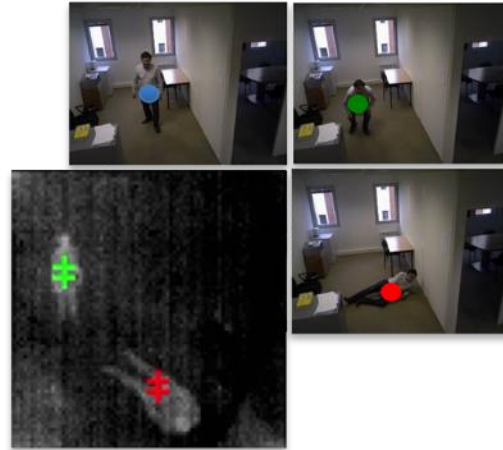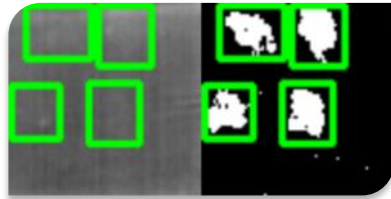
Crossing target sight detection

Building surveillance

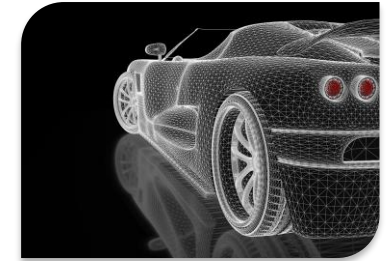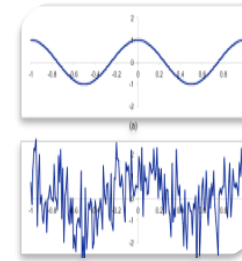Human safety in factory

GlobalSensing Technologies

OTHER CONCERNED INDUSTRIES

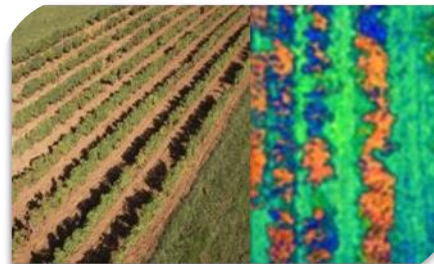➢ **Human Interaction** – human counting, human posture recognition, emotion detection, ...

➢ **Signal** – Multi-sensors analysis, machine monitoring, ...

➢ **Robotic** – Automated driving, object detection, infrastructure monitoring, ...

➢ **Food Industry** – Food coaching, plants monitoring, decease detection, ...

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