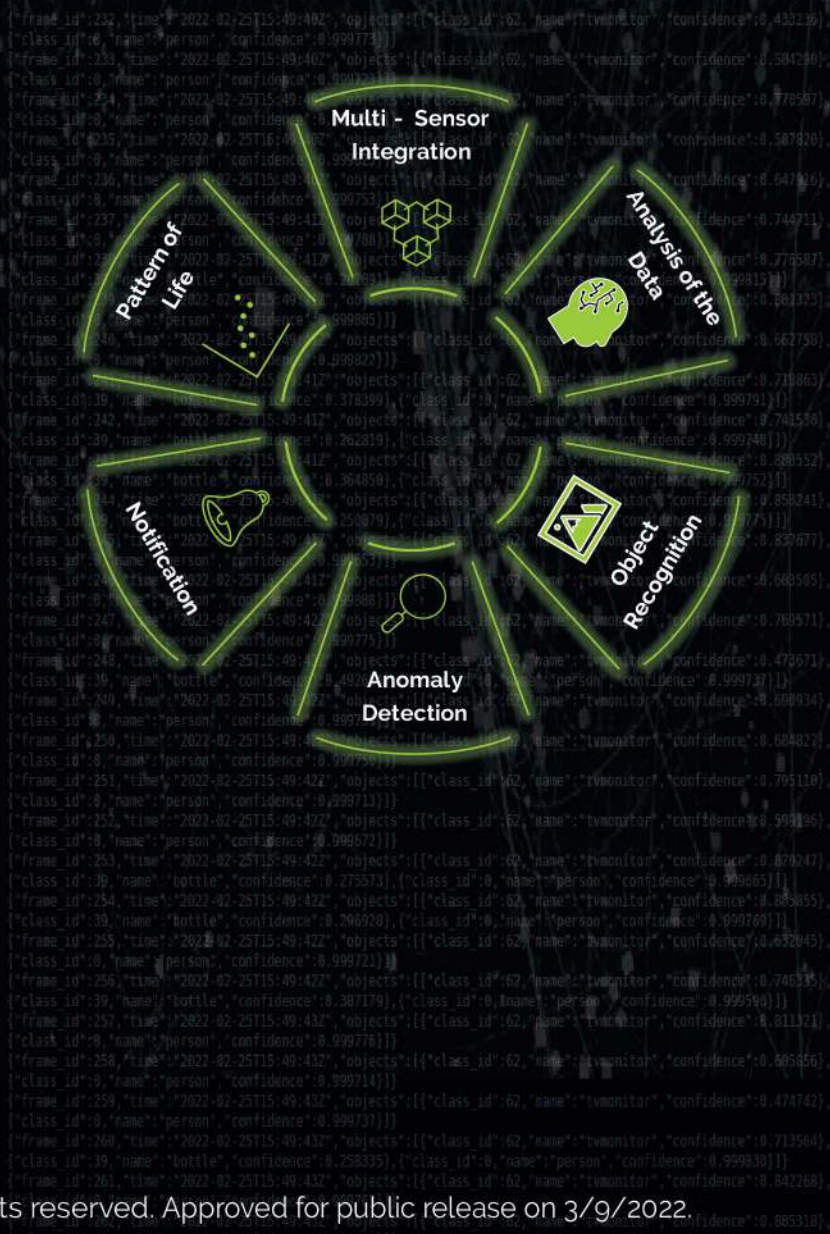# ZAPATA
TECHNOLOGY

SAVING LIVES

LIGHTNER

LIGHTNER CAN SOLVE ANY ORGANIZATION'S MULTI-SENSOR INTEGRATION AND INTEROPERABILITY CHALLENGES BY ACHIEVING ACTIONABLE INFORMATION DOMINANCE. WE CAN PROVIDE REAL TIME INFORMATION WITH THE ONLY TOOL THAT CAN IDENTIFY THE WHAT, WHEN AND WHERE OF ANY OBJECT IN CONTEXT REGARDLESS OF SENSOR AND DATA TYPE.

Federal Application Examples
- Identification of the what, when and where Pattern-of Life analysis
- Full-spectrum access control
- Coherent Change Detection
- Visual Inventory Control (warehouses, high-value inventory items)

Commercial Application Examples
- End-to-end access control
- Smart Cities utilization
- Medical & Dental Analytical Diagnostics
- Visual Inventory Control (warehouses, high-value inventory items)
- Multispectral imagery analysis
  - Visible/Near infrared
  - RGB Mono
  - Ultraviolet

Multi - Sensor Integration

Analysis of the Data

Pattern of Life

Object Recognition

Notification

Anomaly Detection

person: 65%
person: 69%
person: 71%
person: 61%

TECHNOLOGY

LIGHTNER is Zapata Technology's object recognition tool that provides any customer with the capability to track objects in time and location to identify anomalies for analysis and response.

LIGHTNER is a set of microservices that provides near real-time classification of still images and full motion video for analysis with no limit on frames per second (FPS)

Major Challenges Solved

- Use existing ISR video systems and sensors
- No special cameras or other media required
- Processing multiple video streams simultaneously
- Images can be routed to entity extraction or facial recognition
- Use on low power unattended systems (e.g. IOT)
- Deployed for on sensor processing
- Low O&M cost

Demonstration or Partnership
Please contact Brian Clark at BrianClark@ZapataTechnology.com
https://zapatatechnology.com

ZAPATA
TECHNOLOGY
SAVING LIVES