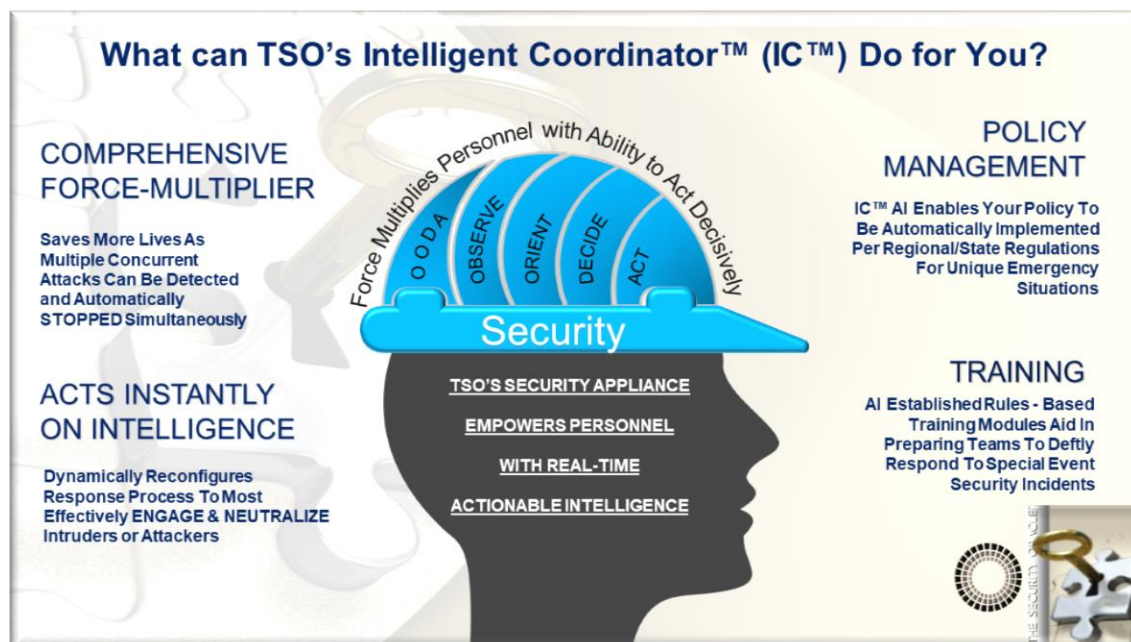# Intelligent Coordinator – IC™

TSO's **Intelligent Coordinator** (*IC**) uses Closed-Loop, Automated Reasoning to fuse data from a combination of critical infrastructure owners' sensors (e.g., radar, LiDAR, seismic, thermal, gunshot detection, cameras, biometric, facial recognition, glass break, video analytics, access control, alarm management) and drive actuators that deliver non-lethal countermeasures (sight, sound, and touch) to **DETECT-ENGAGE-NEUTRALIZE™** a would-be assailant.

IC™ -- the Physical Security Maestro

Alarm fatigue has emerged as a growing concern for physical security personnel as a result of deployment of various generations of sensors and after-the-fact integration. The *IC™* is the maestro that transforms commercial off –the-shelf sensors and actuators into a remotely controlled, intelligently automated, active defense and denial system with the clients' input of effective strategies and policies to eradicate the multi-dimensional aspects of the alarm fatigue phenomena affecting timely response to real threats while filtering out the false threats such as animal trespassing through the seamless integration of video analytics.

Intelligent Coordinator™ is the best of breed integrated solution which reinforces reliable operations while reducing the cost of labor intensive processes -- making security investment resilient!

TSO's Family of Appliances driven by our *IC™* *patent pending*

PLEAS™
Power Line Early Alert System

TREAS™
Threats on Rails Early Alert System

RCADS™ Remotely Controlled Active Defense and Denial System
aka *Robots in the Sky™*
    Robots on the Seas™
    Robots on the Rafters™
    Robots on the Rails™

Mobile RCADS™
aka *Robots on the Move™*

What can TSO's Intelligent Coordinator™ (IC™) Do for You?

COMPREHENSIVE FORCE-MULTIPLIER
Saves More Lives As Multiple Concurrent Attacks Can Be Detected and Automatically STOPPED Simultaneously

ACTS INSTANTLY ON INTELLIGENCE
Dynamically Reconfigures Response Process To Most Effectively ENGAGE & NEUTRALIZE Intruders or Attackers

Force Multiplies Personnel with Ability to Act Decisively
OODA · OBSERVE · ORIENT · DECIDE · ACT
Security
TSO'S SECURITY APPLIANCE EMPOWERS PERSONNEL WITH REAL-TIME ACTIONABLE INTELLIGENCE

POLICY MANAGEMENT
IC™ AI Enables Your Policy To Be Automatically Implemented Per Regional/State Regulations For Unique Emergency Situations

TRAINING
AI Established Rules - Based Training Modules Aid In Preparing Teams To Deftly Respond To Special Event Security Incidents

- TSO's **Intelligent Coordinator™** enables clients to filter nuisance alarms from situational awareness alarms and empowers operators with actionable intelligence.
- Using an image captured from a video camera or a user-generated avatar, the *IC™* automatically searches through video across all the surveillance cameras of designated facilities and displays possible matches of the intruder in seconds. Once the intruder has been identified, his or her movements are recreated on a map, so security personnel can visualize the intruder's route and last known location.
- *IC™* utilizes a continuous feedback loop to dynamically detect and prioritize threats as they develop and defeat adversaries in real time by disrupting their OODA loops by safely overwhelming adversary senses of sight and hearing with safe and non-lethal technologies.
- Every second counts when resources are under attack. *IC™* is a force multiplier because artificial intelligence can assess and filter data from arrays of sensors in real-time, classify, reclassify, and dynamically reconfigures responses based on established policies and parameters in sub-seconds, allowing the most effective response with the counter measures of choice precisely and effectively to thwart threats or attackers in prioritized fashion.
- TSO's disruptive artificial intelligence solution empowers organizations to dynamically reconfigure access control and emergency communications systems to adapt to new security threats in sub-second response time and address all applicable NERC CIP regulatory physical security requirements.

TSO supports clients through specialized consulting services of the customized *IC™*--guiding customers through the implementation process, communicating with those involved in roadmap and strategic initiative development, asset planning, and physical security to ensure that implementation is completed and any issues are resolved so client can be successful utilizing the integrated solution which is in concert with the established risk profiles, legal, safety and tactical policies.

- TSO's *IC™* enables standard-based commercially-developed technologies to integrate with existing first responder infrastructure as detailed in DHS' *Next Generation First Responder Integration Handbook*.
- TSO will train physical security operators in system set up, thoroughly test the integrated sensor and actuator APIs, administration, event escalation, logging and maintenance to ensure software integrity and authenticity. Strengthens the security posture of power utilities through collaborative documentation efforts, procurement acceptance testing—**defense-in-breadth** and compliance with NERC CIP-013-1 Supply Chain Security.

TSO's **Intelligent Coordinator™** significantly enhances our clients' capabilities for risk management by providing them with the tools and capabilities to identify, assess and prioritize, develop response plans, monitor and report risk; enabling asset owners to achieve success beyond their expectations while achieving security beyond compliance with NERC CIP and NEI 08-09 Revision 6 regulatory requirements.