



# CERT

## Safeguarding your critical assets like never before



### *providing 24/7 cyber situational awareness, analysis, incident response and defense*

Alongside with the wonders and benefits the digital worlds brings to humanity, it encapsulate many threats that may lead serious damages. **ICS** (Industrial Control Systems) are particular targeted, as security breach within these systems may cause not only data leakage or data integrity but also denial of service or even physical shut down/damage or critical safety issues/death. In the past years, we have encountered attacks on energy, water and other critical infrastructure factories. Attacks that brought large plants to a complete standstill for long periods of time. These threats were acknowledged by the Israeli Government. TSG was selected to establish and operate The Israeli Ministry of Energy, Water and Critical Infrastructure

national **CERT**. TSG met the challenge and, as a result, became an expert for ICS and SCADA cyber security. In addition, TSG runs a private sector Cyber Security Center (**CSC**) that deliver Security services. Among TSG's CSC customers is the municipality of Tel Aviv.



*Answering the need for critical infrastructure cyber protection TSG has successfully planned and deployed the National Cyber Security Center for the Israel Ministry of Energy*

### **TSG ADDED VALUE**

- ▶ **Proven Track Record**  
Significant experience in planning, commissioning and operating Cyber Security Centers (CSC)
- ▶ **Scalable Solutions**  
Providing cyber security solutions that scale to serve OT & IT needs
- ▶ **Unique Knowledge**  
Bringing years of cyber security experience with ICS/SCADA
- ▶ **Big Data Mastery**  
Forensic and investigation capabilities using big data fusion and machine learning

## Critical infrastructure cyber security center main domains



### Energy CERT - Main Objectives

#### Common Operational Picture (COP)

providing updated cyber security status for each relevant stockholder and decision maker in the organization.

**Event Management** - The SOC (Security Operation Center) is the heart of the Energy CERT. Thanks to constant networks monitoring (both IT and OT) the SOC receives all alerts in regards to events. Priorities and course of action are established along with further monitoring and containment of intrusive activity.

**Information Sharing** - Gather and analyze information from different sources and deliver data with relevant added value to CERT customers.

### TSG Energy CERT main services

- ▶ **Intelligence and Analysis:** Collect and analyze potential cyber threats, risks and possible attacks. Enriching CERT capabilities and creating dynamic cyber threat awareness level
- ▶ **Monitoring:** Focusing on "OT" (operational networks), ICS, SCADA combined with IT networks
- ▶ **SOC (Security Operation Center):** The "eyes and ears" of the CERT. Providing Common Operational Cyber Security Situation Picture and event management
- ▶ **Investigations:** Advanced, field proven investigation tools coupled with groundbreaking technologies, for decoding cyber attacks
- ▶ **Response Team:** on and off-site
- ▶ **Trainings & Drills:** for Cyber Security teams and for the CERT customers



### Beer Sheva Energy CERT protection since 2016

Adjacent to Israel National CERT in Beer Sheva, TSG has successfully planned and commissioned the National Cyber Security Center for the The Ministry of National Infrastructures, Energy and Water Resources. Bringing ICS and SCADA cyber security expertise TSG skilful personnel is responsible for 24x7 cyber situational awareness, analysis, incident response and cyber defense.



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