# Securing Industrial 'Internet of Things' for Oil & Gas Industry



## Aujas solutions to secure Industrial IoT

- ✓ Security Assessments for Industrial IoT devices and OT
- √ Secure implementation of IIOT Platforms
- ✓ Hardware Firewall to protect OT Networks
- √ Security Operations Center to manage and monitor security

### **Our Success Story**

√ Secure Design and **Review of OT & IT** infrastructure for leading Oil & Gas Company in Middle East

#### Connected Oil & Gas Industry

Automation in Oil & Gas equipments, support systems, transport services and its critical OT & IT infrastructure with new Industrial IoT components has become a big concern due to cyber attacks. It's direct relation to national security, national economy and global political agenda makes it a strategic target.

Securing and monitoring such critical national assets are a top priority to the Governments and Oil & Gas Industry leaders.

#### Security Concerns in Connected Oil & Gas

Below are some of the possible areas for attacks by cyber criminals on connected Oil & Gas devices:

- Sensitive data risks present in Industrial IOT devices (sensors, actuators), IoT Platforms and OT.
- Sensitive data risks present in GRID & Consumer scale energy storage devices (battery technology).
- Security vulnerabilities in OT protocols which may lead to disrupting the connected devices.
- Security vulnerabilities networks in ICS OT ጲ Communications
- > Denial of Service (DDOS) and Malwares have become prevalent recently and caused millions of Dollar losses to Oil & Gas Industry.

# How we can help customers to secure connected Oil & Gas

Secure Design & Review **IIOT, OT & IT** Infrastructure

- Secure Design and Architecture
- Review Security Design & Architecture
- · Review Data Security

**IIOT, OT and IT** Infrastructure Security Assessment

- IIOT, OT & IT Security Assessments
- **IIOT Devices Security** Assessment
- IIOT Platform Audits

**IIOT - OT Security** STEP-3 Monitoring & Prevention (Hardware Firewall)

- IIOT, OT & IT Security Monitoring
- Prevention of malicious activities
- Security Misconfigurations Review

- Security Operations Center (SOC) for IIOT
  - Security Monitoring
  - · Incidence Response
  - Risk Reporting and Management

For More details, pls write to Suhas Desai | Email: suhas.desai@aujas.com

About Aujas



- IDG An IDG Ventures Company \$ 3 Billion Group
- Ventures Largest IT Media Company
- Offices in USA, India and UAF
- More than 400 clients across 22 countries
- Over 380 professionals
- Risk Advisory Services
- Identity and Access Management
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- Security Intelligence & Operations Digital Security Services
- Security Analytics and Visualization Platform

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