UTA Utility Spotlight

Modernizing OT Security Through Managed Defense and Strategic Partnerships

Bobby Ellis (IT Security Manager) | Jackson Energy Authority

Zane Blomgren (Solutions Engineer) | Claroty

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Claroty's Role: Visibility & Risk Reduction

Establishing comprehensive asset discovery, communication baselines, and exposure management for JEA's ADMS modernization.

SPEAKER
Zane Blomgren
Solutions Engineer, Claroty

PROJECT
Jackson Energy Authority
SCADA to ADMS Transition

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Complete CPS Asset Discovery & Inventory

FOUNDATIONAL DISCOVERY

Zero-Impact Discovery

Safe inspection of native OT protocols without operational disruption or latency across substation networks.

Granular Device Profiling

Deterministic extraction of make, model, firmware revision, rack slot topology, and serial numbers.

Operational Context & Roles

Automated classification identifying RTUs, IEDs, PLCs, HMIs, and engineering workstations in JEA infrastructure.

Outcome: A single real-time authoritative inventory replacing manual spreadsheets prior to ADMS cutover.

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Network Monitoring & Communications Mapping

TRAFFIC INTELLIGENCE

Interactive Topology & Zone Mapping

Claroty xDome continuously maps every interaction across Purdue Model levels, establishing baseline communication profiles before new ADMS servers were integrated.

- SCADA Protocol Baselines (DNP3, Modbus, ICCP)
- Purdue Model Boundary & Conduit Validation
- Bandwidth & Polling Frequency Characterization

Capability 01

Traffic Flow Baselining

Learn regular command cycles and polling frequencies to identify deviation thresholds.

Capability 02

Cross-Zone Visibility

Track and record communications crossing IT/OT boundaries and substation gateways.

Capability 03

Visual Dependency Trees

Graph dependencies between engineering servers, front-end processors, and field devices.

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Detecting Vulnerabilities, Risks & Anomalies

EXPOSURE MANAGEMENT

01

Vulnerability Prioritization

Matching firmware and software revisions against Team82 research and CVE databases without scanning fragile OT gear.

Impact: Focus on true exploitable risks

02

Unexpected Communications

Flagging unauthorized lateral movements, unintended internet-bound connections, or newly attached bridging devices.

Impact: Rapid containment of misconfigurations

03

Operational Hygiene Alerts

Uncovering cleartext credentials, obsolete protocol ciphers, and unsegmented engineering access pathways.

Impact: Enforcing security-by-design

Key Advantage: Risk scores calculate asset criticality, network reachability, and threat exploits to provide actionable remediation.

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From Visibility to Operational Defense

TRANSITION & TAKEAWAYS

xDome's deep asset and network intelligence creates the actionable foundation required for active, around-the-clock OT threat mitigation.



CLAROTY PLATFORM

The Intelligence Engine

Continuous discovery, exposure scoring, and behavioral baselining across all cyber-physical systems.

1898 & CO. PARTNERSHIP

24/7 Managed OT SOC

Real-time incident triage, threat hunting, and operational response tailored specifically for electric utilities.

Gartner

UTA Conference 2026

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Modernizing OT Security Through Managed Defense and Strategic Partnerships

Operationalizing OT Security

The Advanced Threat & Protection Center

We Design and Operationalize Outcomes



Staffed by USA-based OT Cyber-analysts - 24x7x365

1. Assess & Advise
2. Deploy & Operate
3. Monitor & Hunt
4. Respond & Recover

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