

OTORIO RAM² for Electric Utilities

Today's Electric Utilities Challenges

Electric utilities – those handling power generation, distribution, transmission and everything in-between - are arguably the most critical of critical infrastructure providers. Lives and livelihoods literally depend on the provision of safe, reliable, and affordable electric power.

Today, grid automation and transformation to smart grids make the monitoring, management, and maintenance of electric utility assets more effective and profitable than ever. Yet even as increased connectivity advances the utility business, it also broadens the network attack surface – making today's utility networks massively more exposed to cyberattacks. From power interruptions to large-scale industrial accidents – these attacks endanger employees and customers alike.

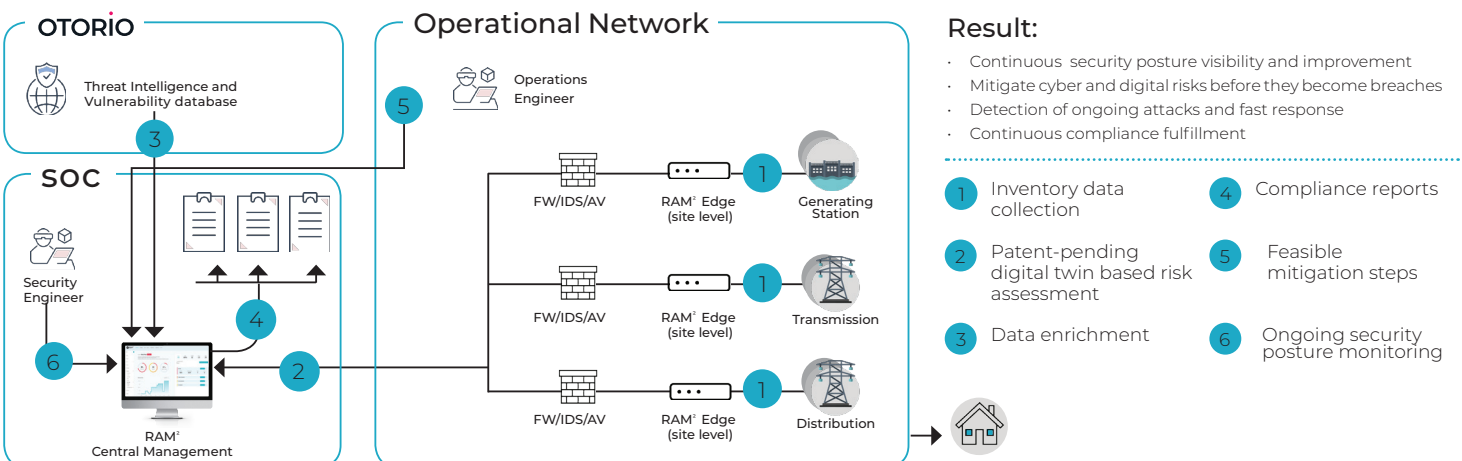
Understanding this hazardous potential, governments have published new, stringent regulations. Energy companies must comply with an increasing number of government-mandated cybersecurity policy frameworks, including NERC CIP, NIST CSF, IEC-62443 and more.

OTORIO : Proactively Protecting Electric Utility OT Networks

Specially designed for utility-grade OT networks, OTORIO protects the safety of electric utility employees and customers with proactive digital risk avoidance. Our digital risk management solution, RAM², enables utilities to meet the highest cybersecurity standards and ensure compliance with emerging and existing regulations for OT digital safety and cybersecurity.

Benefits

- Secure the transformation to smart grids and automation
- Comply with numerous vertical oriented regulations and compliance standards including NERC CIP, NIST CSF, IEC-62443
- Implement an automated zero trust cybersecurity policy
- Focus only on actual operational risks and feasible mitigation steps
- Obtain an unmatched OT/IT/IOT asset inventory from automated grids
- Facilitate OT-IT collaboration





End-to-end Cyber Protection for Electric Utilities



HIGH EXPOSURE

Intel collection, reconnaissance & initial access to network

Propagation and enumeration, gaining high privileges in the IT level

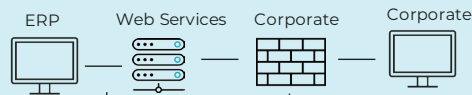
Usage of gathered credentials and footholds to reach and **communicate with PLCs on the production floor**

Attackers can influence power distribution in any way they wish - **Damaging operations, stealing data and cause power outage**

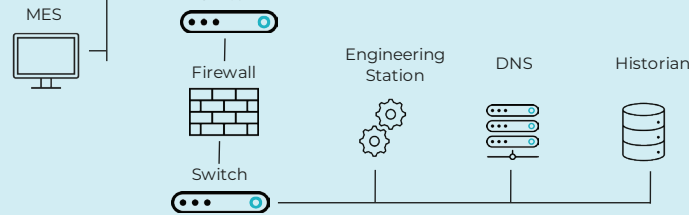
External Internet



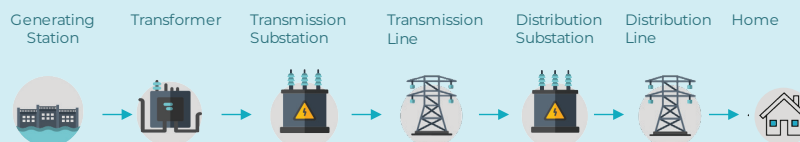
IT Network



OT Network



Electricity Distribution Process



SERVICES & PRODUCTS

PREVENTION



- Threat Intelligence
- Zero Trust
- Security Assessment
- Attack Simulation

DETECTION



- Asset Inventory
- Detailed Insights
- Prioritized Alerts
- Analyst-in-a-box
- Compliance Gaps

CONTAINMENT



- Mitigation Playbooks
- Threat Hunting
- Incident Response

RAM²: Simplifying OT/IT Cybersecurity

RAM² from OTORIO empowers electric utilities to proactively reduce risks to their operational environments.

RAM² automatically detects OT, IT, and IIOT elements in electrical grids. Utilizing OTORIO's unique Cyber Digital Twin technology, RAM² proactively identifies exposures and risks before they become breaches. RAM² maps these elements to operational processes and top-level assets – power generation plants, substations, transmission lines, and more – as well as sub-processes and assets like control gates, transformers, grids, etc. Upon detection of a bonafide threat, RAM² delivers industry-native contextualization, prioritizing risk and providing realistic mitigation playbooks.

RAM² also facilitates compliance governance, enabling operational teams to easily enforce policies, industrial standards and more. The solution significantly improves the OT cybersecurity compliance governance's efficiency and accuracy by shortening the time and reducing the required resources.



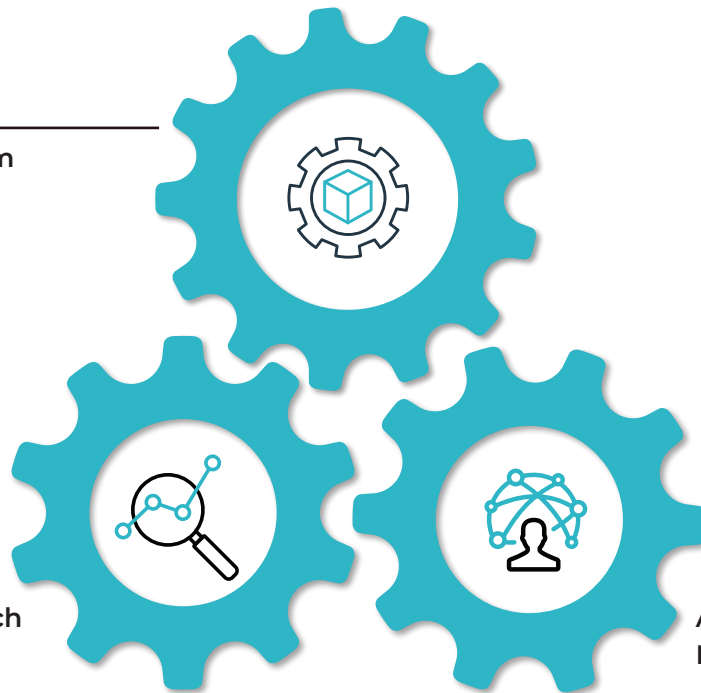
Expertise At Your Service

With decades of experience, OTORIO's professional services team is intimately familiar with the unique safety and cybersecurity challenges facing electric utilities. By offering best practices and proven methodologies already successfully deployed in the energy industry, OTORIO delivers security value from day one.

The OTORIO professional services team comprises OT cybersecurity and digital transformation experts. We offer the world's first end-to-end, industrial-native portfolio of cybersecurity solutions together with a rich portfolio of field-proven professional services including Incident Response, Risk Impact Assessment, Penetration Testing, Training and more.

Comprehensive, end-to-end value proposition

RAM² - Applicative
consolidation platform



Deep domain Research

Advanced Cybersecurity
Professional Services

About OTORIO

OTORIO designs and markets the next generation of OT security and digital risk management solutions. The company combines the experience of top nation state cybersecurity experts with cutting edge digital risk management technologies to provide the highest level of protection for the critical infrastructure and manufacturing industry. Visit our website: www.otorio.com