

OTORIO Helps Large Energy Company Rapidly Ramp-Up OT Network Security Posture

THE BUSINESS

Headquartered in South America and serving millions of customers in nine Latin American countries, an energy producer and distributor contacted OTORIO in order to assist them in ramping up their OT network security posture.



Improved Remote Access Security



Enhanced IT and OT Network Segmentation



Enforced SCADA PC Policies

THE CHALLENGE

Given the volatile cybercrime and cyberterrorism climate and the energy industry's known vulnerability to cyberattacks, the company's senior management wanted to assess and improve their OT security posture. Their existing OT security was limited to vendor-based systems that were remotely monitored, and disconnected from the company's IT security.

Moreover, the energy company's regulatory obligation to report daily on energy creation and distribution necessitated the de facto convergence of their IT and OT networks – with data flowing constantly from OT-connected devices and equipment, through the IT network and to the Internet. This made an immediate OT network vulnerability scan, risk assessment, and security awareness training plan mission-critical.

What They Are Saying



We chose OTORIO because they understand the unique OT security needs of the energy sector. OTORIO's Threat Intelligence and Risks Assessment helped my team to improve our security posture. Likewise, our operations team benefited from learning OT cybersecurity best practices from the best in the business."

~~Global Energy Company CISO

THE SOLUTION

The energy giant chose OTORIO to conduct a full and comprehensive OT network security assessment of the company's five core locations in Peru, Bolivia, Nicaragua, and Guatemala. These sites include hydroelectric, gas, coal, and wind power generation facilities.

Working fully remotely under COVID-19 pandemic restrictions, OTORIO first conducted in-depth workshops with the IT and OT teams at each site, to better understand the network architecture and topography. Once the OTORIO team had a clear picture of the networks in question, they leveraged OTORIO's RAM² technology to take a deep-dive into each network's security posture, looking for gaps, holes and misconfigurations that could facilitate a breach.

Some of the specific areas where OTORIO helped the energy company to improve existing OT cybersecurity policies and procedures include:

- Improve security controls and enforce cybersecurity policies on SCADA PCs connected to the internet
- Limiting remote access per demand to the supply chain
- Separate the IT and OT networks. Especially when it comes to company infrastructure, identity and data management, IT and OT network segmentation can have a major positive impact on OT cybersecurity

Finally, the OTORIO training team created and implemented a **security awareness training plan** for all relevant staff.

OTORIO's Comprehensive Security Assessment Reports



THE BENEFITS

OTORIO delivered a comprehensive security assessment report, providing senior management with a full picture of the company's OT security posture. Since the OTORIO team took the time to truly understand the OT-connected business processes of each company location, all vulnerabilities discovered were contextualized according to their potential real-world business impact – facilitating more efficient remediation prioritization.

Following the OTORIO assessment, the company was able to quickly remediate and tighten site-specific OT network vulnerabilities. Moreover, the company created and implemented granular OT network security policies regarding various attack scenarios, as well as minimum threshold security requirements for all site hardware and software. In addition, the company was able to segment their OT network more effectively, creating secure zones that helped restrict access for unauthorized users to sensitive equipment – including the equipment vendors themselves.

With OTORIO, the energy company today faces existing and emerging cyberthreats with a new confidence and advanced toolbox – ensuring energy production uptime and safeguarding business continuity.

About OTORIO

OTORIO delivers next-generation OT security and digital risk management solutions that ensure reliable, safe and efficient industrial digitalization. The company combines the professional experience of top nation-state industrial cybersecurity experts with cutting edge digital risk management technology to provide the highest level of protection to the manufacturing industry.