N-Dimension Solutions

www.n-dimension.com

As the exclusive cybersecurity partner of Hometown Connections, N-Dimension Solutions, is focused on the delivery of solutions that protect smart utility networks from cyber threats, improving system reliability and safeguarding critical infrastructure, data and assets.

With public power utilities upgrading their aging infrastructure and operations, incorporating new technologies that improve efficiencies and services such as advanced metering infrastructure, distribution automation and outage management, a communications network is also required to carry data between distributed devices and the utility core network. Anywhere along the communications path a security breach could occur. The impact of a cybersecurity breach ranges from relatively minor damage to catastrophic such as hackers accessing control systems and causing outages; accessing customer account data including bank and credit card information; spread of the threat beyond the boundaries of the utility and affecting multiple networks to which the utility connects.

To address this critical need to protect utilities from cyber threats, N-Dimension offers N-Sentinel, a continuous cybersecurity monitoring solution for utility core and operation networks. It detects and alerts on threats that often bypass other cybersecurity defenses.

Unlike generic cyber monitoring products, N-Dimension takes a utility-centric approach, offering access to cyber intelligence that provides insights into utility specific threats as well as guidance on how to proactively protect against them. In addition, N-Dimension delivers actionable cybersecurity reports so utilities can take action quickly. In-house cybersecurity experts work with public power utilities one-on-one to provide them with help in understanding threats and best practices on remediation. N-Dimension is the trusted cybersecurity partner for public utilities.

Below are examples from N-Sentinel trials where cyber attacks were quickly identified before causing damage:

Within minutes after installing N-Sentinel to monitor a utility's operations network, a Joint Action Agency (JAA) in the upper Midwest received an alert. As a result, 50 successful, unauthorized log-ins to the network were identified through a port inadvertently left open. An attack, either manual or automated, was underway whereby a hacker was attempting access. The alert allowed the JAA to block the attacks by firewall port. The solution was simple, but without a warning, and it could have led to serious issues.

After installing N-Sentinel behind an East Coast co-op utility's firewall, an alert about a malicious command and control connection was generated. Malware had compromised desktops and servers, and was "phoning home" for instructions. Fortunately, before the attack could proceed, the utility was able to take the compromised servers offline, and rebuild and patch them.

"N-Dimension is uniquely positioned to help utilities protect against cyber threats knocking at the door every day," stated Tom Ayers, CEO, N-Dimension. "We know from our experience that firewalls, intrusion detection systems, access control, and the like are just not enough. These devices can protect utilities from what they know but not from what they don't know – that's where N-Sentinel comes in. We provide an added layer of cybersecurity protection against the unknown threats which are constantly changing and just keep coming."

With a trial of N-Dimension's N-Sentinel, find out what you don't know about the security of your network. As part of N-Dimension's agreement with Hometown Connections, MPUA members who are also members of the American Public Power Association (APPA) are eligible for a 5% discount on N-Dimension products and services as well as a free 60-day trial of N-Sentinel.

N-Sentinel Cyber Threat Intelligence for Utilities N-Sentinel is a SaaS cybersecurity solution that detects, analyzes and delivers actionable intelligence and utility community insights into threats.

Product Highlights

- 24 x 7 cybersecurity threat monitoring and real-time alerts
- Utility community cyber intelligence
- Actionable cyber security data and reports
- Access to utility cybersecurity experts

To learn more the importance of cybersecurity monitoring in protecting today's utilities, please join our free webinar at www.n-sentinel.com/webinar/index.html?nsentinel. ◄