

# CYBERSECURITY SERVICES FOR THE WIND POWER INDUSTRY

As wind power rapidly increases its global footprint and share of energy production, it is also becoming a key target for cyber attacks. The dispersed and remote nature of wind power makes it uniquely vulnerable and attractive to cyber hackers worldwide. ABS Group provides 24/7/365 industrial Cyber Monitoring and Managed Services that maximize protection and minimize risk.

## Visibility and Control: Comprehensive Industrial Cybersecurity Solutions

Operational Technologies (OT) used in the wind power industry are highly specialized and have network connections that are vulnerable to attack. Without cybersecurity, the wind power networks designed to monitor the health of OT and turbine equipment are completely exposed to threat actors both over the Internet and out in the field. Once compromised, threats can easily spread to other devices, become entrenched in the grid and exploit your operations undetected.

For example, vulnerabilities in the Supervisory Control and Data Acquisition (SCADA) systems of wind turbines can be corrupted, causing major problems to the power grid, including economic loss, wind turbine overspeed and equipment damage.<sup>1</sup> According to the call for action “Roadmap for Wind Cybersecurity” developed by the U.S. Department of Energy (DOE), “Wind energy-specific cybersecurity research and development is critical to the defensive protection of wind assets from cyber threats”.<sup>2</sup>

Our Monitoring and Managed Services provide comprehensive coverage and visibility of your OT systems with one integrated solution that covers your entire digital ecosystem, including onshore and offshore assets.

## The State of Cybersecurity Awareness



<sup>1, 2</sup> Roadmap for Wind Cybersecurity – U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy – 2020

<sup>3</sup> EY Global Information – Security Survey – 2020

<sup>4</sup> Gartner – Market Guide for Managed Security Services – 2020

<sup>5</sup> Industry Week – Can't Turn Back Time: Cybersecurity Must Be Dealt With – 2017








<sup>6</sup> X-Force – Threat Intelligence Index – 2021

<sup>7</sup> Ponemon Institute – The Economic Value of Prevention in the Cybersecurity Lifecycle – 2020

## Complete Managed Services: Combining Powerful Tools for Cyber Protection

Our OT Monitoring and Managed Services maximize your protection at an affordable price. We oversee all activity 24/7/365 from our centralized Industrial Security and Operations Center (ISOC) with no interference to your operations. Once we install our passive monitoring equipment into your operational network, our industrial cyber experts take the raw data from your systems, combine it with a variety of cyber intelligence sources and turn it into active monitoring and actionable guidance.

Our industrial cyber Monitoring and Managed Services provide you with a comprehensive understanding of your networks, management of your threats and persistent monitoring for potential attacks. From our ISOC, we keep a constant and experienced eye on protecting your operations.

 <b>24/7/365 Industrial Security Operations Center</b>		
<ul style="list-style-type: none"><li>• OT Domain Expertise</li><li>• IT/OT Integration</li><li>• Scalable Solutions</li><li>• All-Source Intelligence</li><li>• Portfolio of Services</li></ul>		
 <b>Asset Discovery and Management</b>	 <b>Vulnerability Management</b>	 <b>Network Monitoring and Alerts</b>
<ul style="list-style-type: none"><li>• Detect rogue devices plugged into foreign networks</li><li>• Integrate asset inventory planning using protected data</li></ul>	<ul style="list-style-type: none"><li>• Prioritize resources based on risk and vulnerability</li><li>• Identify outdated operating systems, firmware, software updates and patches</li><li>• Enhance vulnerability management with accurate risk ratings</li></ul>	<ul style="list-style-type: none"><li>• Monitor OT and IT networks remotely 24/7/365</li><li>• Utilize advanced technology designed specifically for OT networks</li><li>• Access threat detection analysts to reduce false positives and increase accuracy</li></ul>
 <b>Configuration Monitoring and Management</b>	 <b>Policy Management</b>	 <b>Analytics and Reporting</b>
<ul style="list-style-type: none"><li>• Detect changes made to industrial control devices, including Programmable Logic Controllers (PLC)</li><li>• Log information conveniently with Management of Change (MOC) documentation</li></ul>	<ul style="list-style-type: none"><li>• Customize policies based on network needs, including password and account updates</li><li>• Access detailed cybersecurity statistics for system threats and vulnerabilities</li></ul>	<ul style="list-style-type: none"><li>• Automated dashboards</li><li>• Monthly/quarterly reports</li><li>• Insights and analysis containing high priority threats and vulnerabilities</li><li>• Actionable intelligence</li></ul>

## Why ABS Group?

We don't just check boxes. With 50 years of risk and safety management experience in the Power and Energy markets, we offer applied solutions that will define and guide your overall cyber risk management framework. Our comprehensive solution offers consulting tailored to your operations, cutting-edge technology and a state-of-the-art Industrial Security Operations Center (ISOC) that allows us to identify and mitigate attacks in real-time.

## Contact Us

Contact us to learn more about our Cybersecurity Monitoring and Managed Services for OT systems and critical infrastructure.