DRAGOS
SAFEGUARDING CIVILIZATION

Industrial Strength Cybersecurity for Renewable Energy

Visibility into assets, vulnerabilities, and threats

Driven by advances in technology and decarbonization goals, renewable energy assets have been rapidly deployed into the existing grid across the world. Wind and solar energy dominate renewable capacity expansion, jointly accounting for 88% of all net renewable additions in 2021. [1] These assets require robust cybersecurity to safely integrate and maintain the stability of the Bulk Electric System.

The Challenges

Renewable energy assets are dispersed across remote locations making monitoring and controlling these sites difficult. Asset visibility is also a challenge due, in part, to lack of standard communication protocols. Further complications include third parties that require remote connectivity and always-on device always-on device management and maintenance.

The Solution

Visibility into renewable energy assets provides the ability to identify and correlate suspicious network, host, and process events and can assist in identifying intrusions as they occur. This allows renewable energy producers and electric utilities to manage risk and protect against operational disruptions and impacts to the environment and the health and safety of employees and surrounding communities.

Addressing the OT visibility challenge requires a technology platform that provides comprehensive visibility of assets, vulnerabilities, and threats.