

CASE STUDY

# NERC CIP Compliance at Global Energy Provider

Safeguard for Privileged Sessions



E.ON Climate and Renewables North America (E.ON) is one of the world's largest owners of renewable power projects and is rapidly expanding its wind and solar energy portfolio. The company develops, owns, and operates some of the most efficient, highest performing renewable energy projects in the United States. In the US the company has more than 15 wind farms with a production capacity of over 3000 megawatts. Already a leader in the American wind industry, E.ON is actively building utility scale solar generation projects and is committed to investing the resources needed to play a major role in the transformation of the electric energy marketplace.

## Learn more

- [Safeguard homepage](#)
- [Request callback](#)

## The Challenge

### Strict NERC CIP Regulations

As a critical infrastructure operator, E.ON has to comply with NERC CIP (North American Electric Reliability Corporation Critical Infrastructure Protection) regulations. Among others, NERC CIP specifies strict requirements to prevent DDoS attacks or sabotage against high risk targets, such as the wind farms. The main expectation was to keep system access from a single user or workstation to below 750 Megawatts. To meet these requirements, E.ON had to find a solution which can monitor and restrict concurrent access to IT equipment which control the power output of the wind farms. Previously, the company used firewalls and Active Directory for such purposes, but these solutions could meet neither E.ON's nor NERC CIP expectations.

## The Solution

To find a compliant solution, E.ON security experts also considered Bomgar's remote support tool, but finally they chose One Identity Safeguard for Privileged Sessions privileged session monitoring solution.

"Safeguard for Privileged Sessions was promoted and supported by a group that we use for many outside services. We were able to set it up quickly and when we needed changes One Identity worked with us and made the changes." - explains Mr. Brian Schoeck, SCADA Network Engineer of E.ON Climate & Renewables North America.

The Safeguard for Privileged Sessions implementation only took a few weeks. The product is in productive operation monitoring the access to 25 control systems by approximately 50 privileged users (operators). They use the product in 15+ distributed network locations to keep high risk targets protected from general access while keeping them available to authorized operators. Virtual Safeguard for Privileged Sessions appliances were deployed in each location which reliably monitor RDP-access to control servers of the wind power farms. Safeguard for Privileged Sessions enforces web gateway authentication for operators and limits the number of concurrent sessions of users.

"SAFEGUARD FOR PRIVILEGED SESSIONS IS A GOOD FIT FOR ANYONE THAT IS TRULY SERIOUS ABOUT SECURITY AND CONTROLLING ACCESS TO CRITICAL ASSETS."

- Brian Schoeck, SCADA Network Engineer, E.ON Climate & Renewables North America.

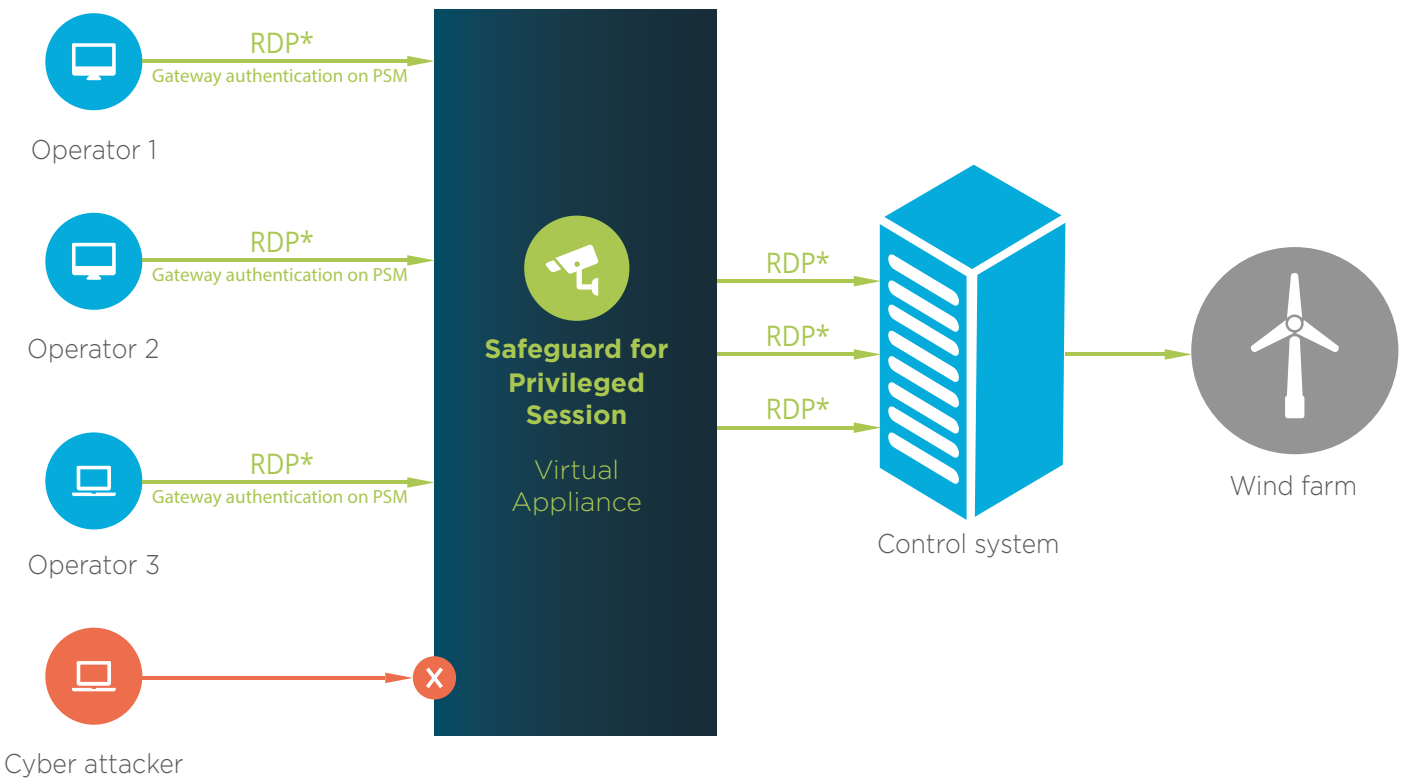
# Benefits

## Customized, Secure & Compliant Operations

With Safeguard for Privileged Sessions, E.ON was able to build a more secure and more reliable network infrastructure which is NERC CIP compliant yet easy to use and understand. The ability and willingness of One Identity to customize the product is one of the biggest benefits for the company.

“We have a unique IT environment and One Identity was able to tailor the product to our needs. One Identity & Safeguard for Privileged Sessions is a good fit for anyone facing the daunting task of becoming NERC CIP compliant or anyone that is truly serious about security and controlling access to critical assets.” – concludes Mr. Schoeck.

*Safeguard for Privileged Sessions Virtual Appliance Based Architecture at E.On Climate & Renewables North America*



*\*Number of concurrent RDP sessions per user is limited to 3 by Safeguard for Privileged Sessions*

## About One Identity

One Identity helps organizations get identity and access management (IAM) right. With our unique combination of offerings, including a portfolio of identity governance, access management, privileged management and identity as a service solutions, organizations can achieve their full potential – unimpeded by security, yet safeguarded against threats. Learn more at [OneIdentity.com](http://OneIdentity.com)

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