



Schneider Electric enhances global supply chain security with Yubico



 135k+ employees

 19 industries served

 35 North American manufacturing facilities

Challenge:

The motto “Life Is On,” embodies Schneider Electric’s massive responsibility in a modern world that runs on electricity. The most critical infrastructures—including hospitals, oil and gas drilling operations, and water management—rely on Schneider Electric’s products and power SCADA management systems, which makes fighting ever-growing cyber threats a vital necessity.

- The Supervisory Control and Data Acquisition (SCADA) system required modern multi-factor authentication (MFA) that worked without the use of the internet or traditional methods, like SMS
- MFA would be required in the future for IEC-62443 SL3 certification
- Because of the critical dependencies on Schneider Electric’s products, the company needed to increase its supply chain security—including integration with key suppliers



Solution:

Schneider Electric turned to two of Yubico’s products, the YubiKey and the YubiHSM, because:

- YubiKeys are modern hardware-based security keys that do not require electricity or internet service
- The YubiHSM is small, self-contained, and allows Schneider Electric to code its own integrated manufacturing libraries
- YubiKeys’ layer of authentication security helps Schneider Electric’s customers achieve compliance and enhances their overall security posture
- Key suppliers can have their own YubiHSM to enable dual encryption





Results:

- Adopting YubiKeys in time for the IEC-62443 SL2 certification process created an instant differentiator because Schneider Electric will be in a prime position to earn IEC-62443 SL3 certification
- YubiKeys create a seamless, secure transition during SCADA shift changes and other critical key operations. Each operator can start their shift and quickly authenticate, which eliminates system interruptions
- YubiKeys make it fast, easy, and secure to complete supervisory override actions, like closing a circuit breaker
- The YubiHSM proves Schneider Electric's products are authentic because it uses encrypted keys that are embedded by both companies during the manufacturing process



Proactively securing our global supply chain was an important step as properly tested and approved products are counted on by our customers who buy and deploy them.”

Chad Lloyd | Director of Cybersecurity Architecture for Energy Management | Schneider Electric



As part of our IEC SL2 certification, we included MFA in our power operation system, well positioning us to meet SL3 requirements in the future. This is a point of differentiation for Schneider Electric.”

Chad Lloyd | Director of Cybersecurity Architecture for Energy Management | Schneider Electric



[Learn more](#)

yubi.co/SchneiderElectric

yubi.co/manufacturing

Yubico (Nasdaq First North Growth Market Stockholm: YUBICO) is the inventor of the YubiKey, the gold standard in phishing-resistant multi-factor authentication (MFA), and a creator and contributor to FIDO open authentication standards. The company is a pioneer in delivering hardware-based passkey authentication to customers in 160+ countries. For more information, visit: www.yubico.com.