

Schneider Electric Security Notification

EcoStruxure™ Power Monitoring Expert

14 March 2023 (11 July 2023)

Overview

Schneider Electric is aware of a vulnerability in its EcoStruxure™ Power Monitoring Expert product (PME).

[EcoStruxure™ Power Monitoring Expert \(PME\)](#) is an on-premises software used to help power-critical and energy-intensive facilities maximize uptime and operational efficiency.

Failure to apply the mitigation provided below may risk a session expiration vulnerability, which would allow an attacker unauthorized access over a hijacked session.

July 2023 Update: There is a remediation available for EcoStruxure™ Power Monitoring Expert 2021 ([page 2](#)).

Affected Products and Versions

Product	Version
EcoStruxure™ Power Monitoring Expert	Versions PME 2022 and prior

Vulnerability Details

CVE ID: **CVE-2023-28003**

CVSS v3.1 Base Score 6.7 | Medium | CVSS:3.1/AV:L/AC:H/PR:L/UI:R/S:U/C:H/I:H/A:H

A *CWE-613: Insufficient Session Expiration* vulnerability exists that could allow an attacker to maintain unauthorized access over a hijacked session in PME after the legitimate user has signed out of their account.

Note regarding vulnerability details: The severity of vulnerabilities was calculated using the CVSS Base metrics in version 3.1 ([CVSS v3.1](#)) without incorporating the Temporal and Environmental metrics. Schneider Electric recommends that customers score the CVSS Environmental metrics, which are specific to end-user organizations, and consider factors such as the presence of mitigations in that environment. Environmental metrics may refine the relative severity posed by the vulnerabilities described in this document within a customer's environment.

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Remediation

Affected Product & Version	Remediation
EcoStruxure™ Power Monitoring Expert 2022	EcoStruxure™ Power Monitoring Expert 2022 CU1 includes a fix for this vulnerability and is available for download here: https://ecoxpert.se.com/software-center/power-monitoring-expert/power-monitoring-expert-2022
EcoStruxure™ Power Monitoring Expert 2021	EcoStruxure™ Power Monitoring Expert 2021 CU2 includes a fix for this vulnerability and is available for download here: https://ecoxpert.se.com/software-center/power-monitoring-expert/power-monitoring-expert-2021

Customers should use appropriate patching methodologies when applying these patches to their systems. We strongly recommend the use of back-ups and evaluating the impact of these patches in a Test and Development environment or on an offline infrastructure. Contact Schneider Electric's [Customer Care Center](#) if you need assistance removing a patch.

If customers choose not to apply the remediation provided above, they should immediately apply the following mitigations to reduce the risk of exploit:

Mitigations

Affected Product & Version	Mitigations
EcoStruxure™ Power Monitoring Expert <i>Prior to version 2021</i>	EcoStruxure™ Power Monitoring Expert versions prior to 2021 are no longer supported. Customers should consider upgrading and immediately apply the following mitigations to reduce the risk of exploit: <ul style="list-style-type: none"> • Limit or restrict personnel access to the PME server and workstation locations. • Instruct personnel to lock their Windows desktop after use. <p>Follow the PME security guidelines on securing web communications by reviewing Cybersecurity Recommendations in the user manual.</p>

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General Security Recommendations

We strongly recommend the following industry cybersecurity best practices.

- Locate control and safety system networks and remote devices behind firewalls and isolate them from the business network.
- Install physical controls so no unauthorized personnel can access your industrial control and safety systems, components, peripheral equipment, and networks.
- Place all controllers in locked cabinets and never leave them in the “Program” mode.
- Never connect programming software to any network other than the network intended for that device.
- Scan all methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. before use in the terminals or any node connected to these networks.
- Never allow mobile devices that have connected to any other network besides the intended network to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and systems and ensure that they are not accessible from the Internet.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs). Recognize that VPNs may have vulnerabilities and should be updated to the most current version available. Also, understand that VPNs are only as secure as the connected devices.

For more information refer to the Schneider Electric [Recommended Cybersecurity Best Practices](#) document.

Acknowledgements

Schneider Electric recognizes the following researchers for identifying and helping to coordinate a response to this vulnerability:

CVE	Researchers
CVE-2023-28003	Rafał Łykowski and Piyush Patil

For More Information

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate. For more details and assistance on how to protect your installation, contact your local Schneider Electric representative or Schneider Electric Industrial Cybersecurity Services: <https://www.se.com/ww/en/work/solutions/cybersecurity/>. These organizations will be fully aware of this situation and can support you through the process.

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For further information related to cybersecurity in Schneider Electric’s products, visit the company’s cybersecurity support portal page:

<https://www.se.com/ww/en/work/support/cybersecurity/overview.jsp>

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Schneider’s purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On.

Our mission is to be your digital partner for Sustainability and Efficiency.

We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries.

We are the most local of global companies. We are advocates of open standards and partnership ecosystems that are passionate about our shared Meaningful Purpose, Inclusive and Empowered values.

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Revision Control:

Version 1.0 14 March 2023	Original Release
Version 2.0 11 July 2023	There is a remediation available for EcoStruxure™ Power Monitoring Expert 2021 (page 2).