

# WPS3 Upgrade

## Maintain control over your wind farm

### Challenge

Reliable control and supervision of wind farm assets is important in order to ensure a sustainable power supply to the grid and for collecting valuable data from the wind farm.

### Solution

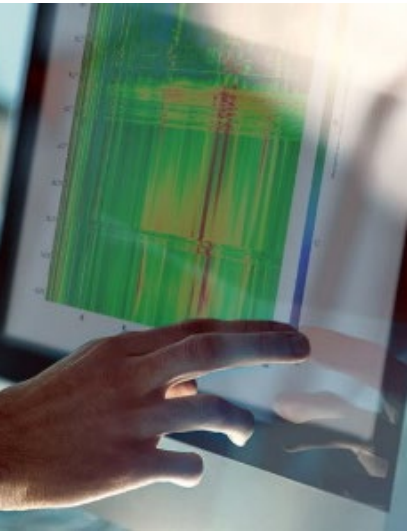
Replacing existing hardware and securing the latest version available:

- WPS3 Upgrade, Server Upgrade: Upgrade of individual server components.
- WPS3 Upgrade, Standard: Upgrade of all substation SCADA equipment, panel and physical servers.
- WPS3 Upgrade, VSI-SA<sup>1</sup>: Upgrade of all substation SCADA equipment, panel, and virtualization of the SCADA on a single server.
- WPS3 Upgrade, VSI-HA<sup>2</sup>: Upgrade of all substation SCADA equipment, panel, and virtualization of the SCADA on multiple servers.

The wind farm controller will be upgraded with the stand-alone HPPP or with the high availability HPPP (optional feature).

### Benefits

- Update to the supported OS – Windows 19.
- Update to the newest SCADA version of WPS3.
- Enable a more accurate system to comply with the grid code requirements.
- Key to secure appropriate control, component monitoring, remote services, and overall mitigation of failures.
- Enhanced power plant cybersecurity and opens up the possibility of acquiring cybersecurity solutions.



1. VSI-SA: Virtualized Server Infrastructure – Stand Alone.

2. VSI-HA: Virtualized Server Infrastructure – High Availability.



AEP



Operating  
reliability



Maintenance  
ease



Security

### Applicability

Siemens technologies.

### Compatible products

This product supports SCADA with a range of remote services and cybersecurity solutions, offering improved diagnostics, enhanced asset protection, and better regional compliance. Upgrading to a virtualized WPS3 server infrastructure also ensures hardware compatibility with MySite360<sup>®</sup>, Siemens Gamesa's next-generation power plant solution, enabling a seamless migration.

#### Risk of not upgrading

Outdated SCADA hardware increases the risk of failure, which can result in production stops.

#### Est. lead time

From PO to installation is approx. 6 months.

#### Network

Network segmentation and improved stability.

Information is subject to change without prior notice.