

# Wind Farm Maintenance

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Fijoport enables our customers to remotely access key equipment in order to monitor and manage it on a 24/7 basis.

Authenticated users may establish instant VPN access, via the Portal Server, eliminating exposure to cyber threats.



## BENEFITS

- ✓ **Secure bi-directional encrypted connectivity between user and remote site.**
- ✓ **Maintenance and management of devices on a 24/7 basis without user intervention at remote site.**
- ✓ **Any access is limited to authorised personnel only and all remote sessions are logged and auditable.**
- ✓ **No software installations required on remote devices being accessed.**

### USE CASE

#### Wind Farm Maintenance

**A renewable energy company has different sized wind farms in various locations that are distant from each other. Travelling to any location can take an engineer up to 3 hours, in some cases, they need need to be accompanied for health and safety, as well as for security reasons. This makes the process very time consuming, difficult to cordinate and costly.**

With Fijoport, the company can now monitor and manage its instalations remotely, resulting in a reduction of site visits as well as an improvement in response times. All access to a remote site is established by the Fijoport portal server and it records all such sessions and the work carried out.

Legacy equipment often operates with software that is no longer supported and is vulnerable to cyberattack. The company has deployed Fijoport in front of this equipment to provide immediate protection from attack and facilitate an orderly security upgrade programme.

## How it works:

- When a problem is detected in any of the wind farms, Fijoport 3001 sends an alert.
- This alert only appears on the portal dashboard in the NOC of the authorized technical persons. The preconfigured list of alerts is customisable depending on requirements.
- The authorised technicians are immediately able to remotely connect to the windfarm equipment to diagnose and potentially fix the problem remotely. For example, Fijoport can be used to upgrade or restart the SCADA system in case of software malfunction.
- If the problem cannot be resolved remotely, then a technician can be sent to the windfarm site, who has been briefed on the problem and the course of action to be taken. If needed, Fijoport also allows an on-site and remote employee to work together on the same equipment at the same time.

