

UPGRADES MADE BY NORDEX

Trading Interface — a standardized connection for direct marketers

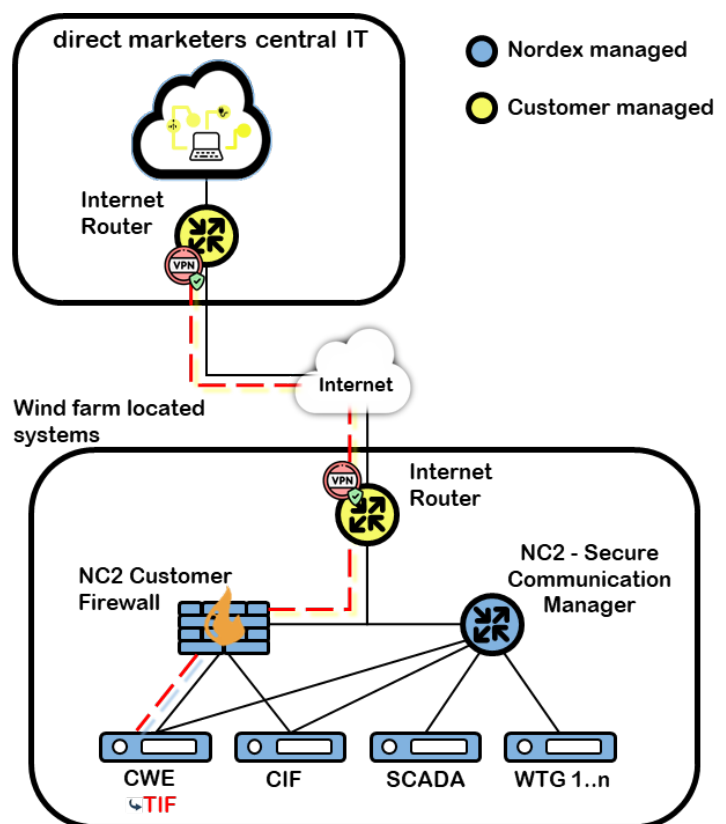
As the manufacturer, we know your turbines best. With our **Upgrades made by Nordex** we provide individually tailored retrofits. These upgrades improve the performance, the availability and the safety of your turbines, helping you to achieve even larger yields.

➤ Brief technical description

The Nordex Trading Interface (TIF) enables direct marketers to access the **wind farm controller (CWE)**.

This is technically accomplished by installing an additional Nordex developed module directly on the CWE.

The Trading Interface allows for retrieving data and specifying setpoint values. The applied communications protocol corresponds to the IEC 60870-5-104 standard.



➤ Benefit

- A standardized interface for direct marketers to the wind farm controller
- Infinitely variable active power set points possible
- Independence through use of standardized protocol
- Fast and robust system through implementation directly on the CWE
- Software updates ensure the functionality in the future
- Seamless integration in virtual power plants
- System has been extensively tested together with leading direct sellers