



Protecting turbines and technicians

Suzlon Wind Energy Corporation

"DTN forecasts help us be more proactive when scheduling maintenance, allowing us to work smarter."

Suzlon Wind Energy Corporation

Based in Chicago, Illinois,

the North American business unit of Suzlon Wind Energy Corporation operates more than 60 wind farms across the United States. These farms are home to more than 1,250 wind turbines, which have the capacity to generate approximately 2,500 MW of electric power.

DTN^o

"We don't want anyone in a tower when we see lightning approaching the area."

Suzlon Wind Energy Corporation

What they were up against.

Lightning is one of the biggest threats to wind turbines; since they're usually the tallest objects in the area, they're more prone to strikes. And wind, even though it's at the heart of the industry, can be dangerous to technicians, who do much of their work atop the turbines. Suzlon needed a better way to understand and predict the weather reliably and accurately.

What we did to help.

Suzlon chose DTN's WeatherSentry Online® Wind Energy Edition for help managing its weather challenges. This system creates instant customizable weather alerts, including hourly, daily, and precipitation forecasts, lightning strikes, radar, and more. And it sends them directly to a mobile device for safe, effective, on-the-go decisions that keep operations running smoothly—while keeping technicians out of harm's way.

What the impact was.

Suzlon's main concern is keeping technicians out of the towers when lightning is approaching. With WeatherSentry, it created predefined alerts that are sent right to technicians' phones to let them know when inclement weather is approaching, as well as when it's time to evacuate and move to safety.

WeatherSentry also enables Suzlon's teams to see when high winds are expected. Crews aren't allowed up in the towers when winds exceed 25 meters per second, so these insights are critical to deciding when to schedule maintenance. The wind information also helps the company use its resources more effectively. High winds can interfere with maintenance requiring cranes, so if Suzlon expects high winds, it will delay bringing in the crane, saving it from paying for unused equipment.

With the WeatherSentry system, Suzlon has access to a team of experienced meteorologists and can ask questions 24/7 to get feedback from a professional. So no matter the weather, no matter the challenge, Suzlon knows it has the most accurate information available to make the best possible decisions for its business—and its people.

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