



Building a safer way to work

Mortenson Construction, Minneapolis, Minnesota

“Understanding if and when severe weather is approaching allows us to make more educated decisions and keep our people safe.”

Mortenson Construction’s wind energy group

In business for more than 60 years,

Mortenson Construction is a privately owned general builder and one of the largest contractors in the nation. It ranked 18th on Engineering News Record’s top 400 list and is recognized as a leader in renewable energy construction. Its scope includes corporate offices, civil work, sports facilities, high-voltage transmission, and solar- and wind-powered projects.

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"Extreme temperatures—both hot and cold—can create a dangerous work environment for construction workers. Understanding the daily forecasted temperatures allows us to create the necessary plan to keep our workers safe."

Mortenson Construction's wind energy group

What they were up against.

High winds can make crane work difficult. Rain can turn sites muddy, trapping heavy equipment. Extreme heat can be unsafe for workers. There are innumerable ways the weather can disrupt construction operations and put both profits and people in peril, and Mortenson needed a powerful tool to help it predict and mitigate these risks.

What we did to help.

Mortenson Construction chose DTN to help it manage weather risks. The company employs a number of systems to help it make safe, smart operational decisions, including WeatherSentry Online® Construction Edition, Lightning Manager®, WeatherSentry® Mobile, and MxVision Weather Information Notification System.®

What the impact was.

Combined together, these systems provide accurate, highly localized real-time forecasts, allowing Mortenson to manage weather concerns more effectively. By being able to predict and plan for the weather, it can better protect its crews and assets from issues like precipitation, severe storms, lightning, and extreme heat or cold.

And by having all this up-to-date information easily accessible on their smartphones, Mortenson employees can make the best possible decisions for their crews right from the job site.

Mortenson concedes that its operations can be significantly impacted by weather. But with the help of DTN, it now has an understanding of if and when severe weather is approaching, so it can make more educated decisions and keep its workers safe.