

Severe Weather Risk Visibility



As weather patterns become more extreme and volatile across the United States, severe weather poses a significant threat to electric grids and raise liability concerns for utilities. This has led to reliability concerns, rising insurance & upgrade costs, and ultimately increased scrutiny from regulators and ratepayers.

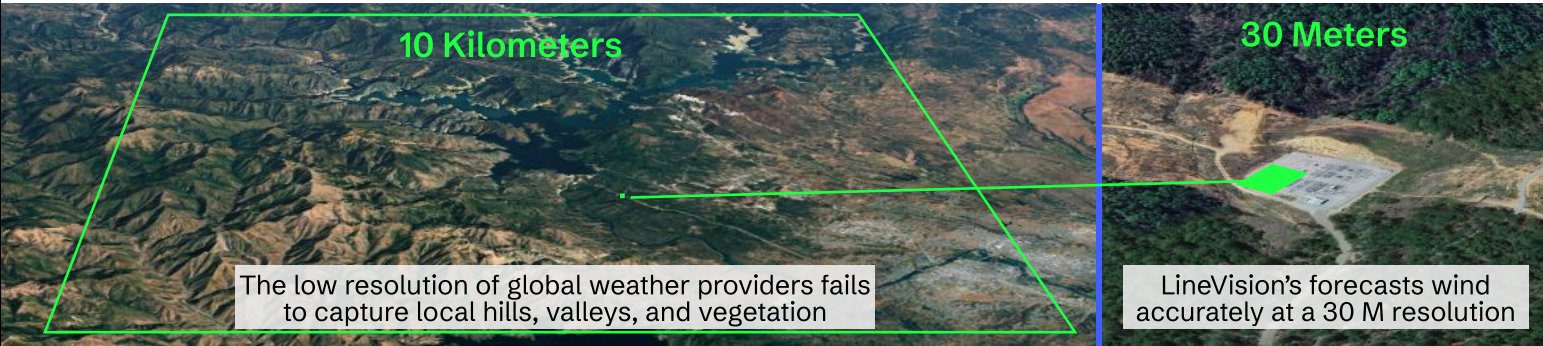


LineAware provides operational flexibility to help utilities predict, detect, and respond to weather threats using advanced wind modeling and measurement

Regional weather providers often use a greater than 10 KM resolution, which fails to captures the unique wind conditions within a utility corridor. This significant discrepancy arises because weather providers don't capture topographical factors like hills, valleys, trees, and buildings which significantly impact wind speeds at transmission sites.

LineVision's uses tower-mounted weather stations to measure wind speed within a right-of-way, providing utilities with continuous information on environmental conditions at a 30 meter resolution.

Wind in right of ways can vary significantly from global weather providers, LineVision has found that values may be overestimated by 70% and underestimated by 20%



Direct Right-of-Way Wind Measurements

Direct right-of-way wind measurements using tower-mounted weather stations

- Observed Wind Speed & Direction (10 minute intervals)
- Customizable Alerts



Hyper-Local Wind Forecasts

30-meter resolution wind forecasts for each instrumented span using computational fluid dynamics modeling for vegetation & topology

- Forecasted Wind Speed & Direction (240 hours)
- Customizable Alerts

