

LineVision's Dynamic Line Rating (DLR) and situational awareness solutions optimize transmission capacity, support operational flexibility, and ensure safe operations.

LINERATE

Optimize capacity to gain the flexibility needed to deliver reliable, affordable power

LineVision uses advanced wind modeling, machine learning, and sensor measurements to accurately calculate the true thermal capacity of transmission lines and provide confident forecasts using 30-meter resolution wind.

LineRate provides rapid and safe DLR layer network wide and is enhanced by tailored sensor deployments on critical lines to ensure maximum utilization.

- 240 Hour (10 Day) Dynamic Line Ratings
- Emergency Ratings
- P-Value with Custom Risk Profile
- NERC-CIP EMS integration
- FERC 881 Compliance
- Facility Ratings Management



LINEAWARE

Continuous Transmission Line And Right Of Way Monitoring

Severe weather events account for 83% of major power outages, costing billions annually in restoration. Growing weather risk requires real-time actionable intelligence to maintain reliability and safety. LineAware provides operational flexibility to help utilities predict, detect, and respond to weather threats using advanced wind modeling and measurement



Severe Weather Risk Visibility

- Direct right-of-way wind measurements using tower-mounted weather stations
- 30 meter resolution wind forecasts using computational fluid dynamics up to 10 days
- Custom thresholds and alerting

Conductor Behavior

- Monitor phase-by-phase conductor sag and analyze behavior over time
- Monitor current and forecasted precipitation, humidity, and temperature
- Custom thresholds and alerting

Icing Risk & Detection

- Forecasted icing risk using temperature, precipitation, and humidity
- Tower-mounted anemometers directly measure of precipitation, humidity & temperature
- Alerts on anomalous sag and ice accumulation