



Proven non-contact solutions  
for transmission line monitoring,  
dynamic line ratings and intelligent  
asset health management

**FEATURES AND CAPABILITIES:**

- Non-contact monitoring system eliminates the need for outages or specialized equipment such as hot-sticks
- Flexible installation options, including a direct tower mount configuration
- Accurate real-time and forecasted data on key conductor performance parameters
- Anomaly detection algorithms and asset health trend indicators / alerts
- Private cloud-based interface to view data, configure customized alerts, and download historical information
- Secure datafeed for EMS integration
- Complete turnkey solution, including installation technical direction, warranty, and data delivery

**LINE DATA PROVIDED:**

- Real-Time Dynamic Line Ratings (DLR)
- Forecasted Line Ratings (1-48hrs)
- Short Term Emergency Limits
- MW, MVAR, Power Factor
- Conductor Sag / Clearance
- Conductor Blowout / Horizontal Displacement
- Conductor Temperature
- Icing and Galloping Detection
- Site Specific Weather Data
- Magnetic Field in Right of Way

Transmission line engineers face the challenges of integrating record renewables growth, implementing asset health monitoring, and increasing grid reliability despite aging infrastructure and tight budget constraints.

The LineVision V3 System is a proven platform to increase the capacity, reliability and flexibility of existing transmission lines. Featuring patented non-contact EMF and optical sensors and advanced analytics, a single system continuously monitors up to six conductors plus ground wire, without the need for disruptive line outages or costly specialized equipment.

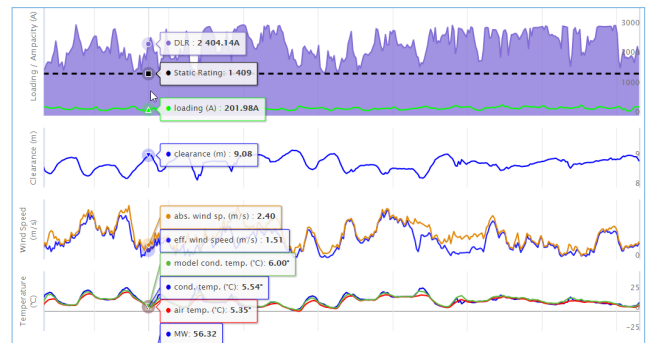


- PROVEN** Leveraging over 15 years of transmission line monitoring expertise, LineVision's core EMF sensor technology has been deployed to monitor over 5,000 transmission lines worldwide.
- PRECISE** With the integration of a state-of-the-art optical sensor, the LineVision V3 system provides unparalleled granularity and accuracy.
- FLEXIBLE** The LineVision V3's non-contact design allows it to be mounted on the base of the tower, higher, or ground-mounted depending on client preferences and easement constraints. Systems can be easily redeployed as needs change and are compatible with all conductor types and voltages.
- SECURE** Clients receive a powerful and secure web-based interface to view real-time, forecasted, and historical data. Clients also have access to an encrypted datafeed for EMS integration.
- COMPLETE** LineVision V3 is a turnkey system designed to minimize project and budget risks for the utility client. We provide on-site installation technical direction, data connectivity, equipment warranty and software licence to ensure project success.

## Asset Management & Dynamic Line Ratings

The LineVision V3 system provides utilities with unrivaled visibility on critical parameters for transmission lines. The combined EMF and optical sensors deliver a new level of granularity and accuracy on physical and electrical line parameters. Transmission operators can increase network reliability and operational flexibility with visibility on actual line capacity, and improve line utilization with forecasted and real-time dynamic line ratings.

LineVision enables utilities to implement intelligent condition-based asset management strategies. Automated alerts are sent when anomalies such as icing, galloping or tower structural damage are detected. Utilities can also leverage LineVision data to optimize scarce CAPEX dollars — identifying damaged lines in need of repair/replacement, and extending the useful life of healthy lines.



### LINEVISION V3 SYSTEM INCLUDES:

- Optical Sensor for conductor position and motion measurement
- EMF sensor for measurement of electrical parameters (MW, MVAR, phase angle)
- Full hardware warranty and software license
- Installation technical direction & calibration
- Weatherproof IP66-rated enclosure with solar panel and battery backup
- Data connectivity to client via secure web interface and/or encrypted datafeed

Request a custom consultation today to transform your grid's reliability, flexibility & resiliency.