



GridVista™ System

The GridVista™ System redefines transmission line intelligence, integrating embedded fiber sensing and advanced analytics within the ACCC® Conductor core.

The GridVista™ System is supported by CTC Global's strategic partnership with Google Cloud and Tapestry. The wealth of data and analytics generated directly from the GridVista™ System, paired with Google Cloud and Tapestry's suite of AI-powered tools, will provide insights that enhance grid capacity, reliability and safety.



Event Detection

Detects and alerts operators to critical, abnormal, continuous line events such as faults, overloads, sag violations, and possible wildfires to support immediate operational response and post-event analysis.



Operations Planning

Supports day-ahead scheduling and outage optimization, enables continuous operational responses such as congestion management, and provides direct ambient adjusted ratings (DAAR) for regulatory compliance.



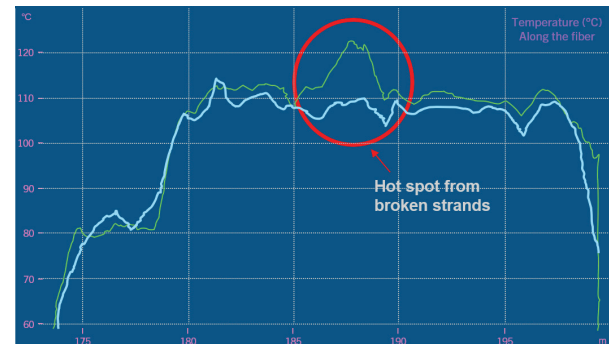
Asset Condition & Integrity

Monitors long-term degradation and external stressors to support condition-based maintenance and optimize asset replacement schedules, reducing O&M costs.



System Planning

Provides data to support long-term infrastructure planning and load integration decisions by identifying thermal constraints, evaluating headroom for new loads, and modeling future scenarios.



GridVista™ System ROI

- Optimize Capacity
- Prevent Line Failures
- Manage Wildfire Risk
- Alleviate Congested Corridors
- Reduce O&M Spend
- Improve Regulatory Compliance

Key Components



Embedded Fiber Optics

An optical fiber inside the ACCC® Conductor core enables 24/7 monitoring of strain, temperature, and vibration -- providing conductor condition data with high locational precision and long-term reliability.



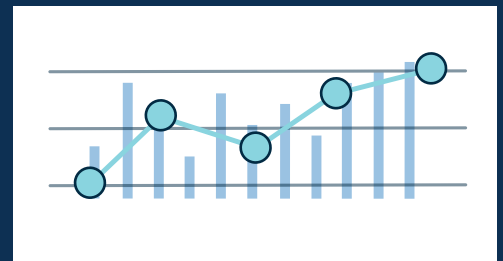
Interrogators

Substation-based fiber-optic sensing systems monitor distributed temperature, strain, and vibration, providing advanced diagnostics like fire, galloping, and ice detection.



Software Platform

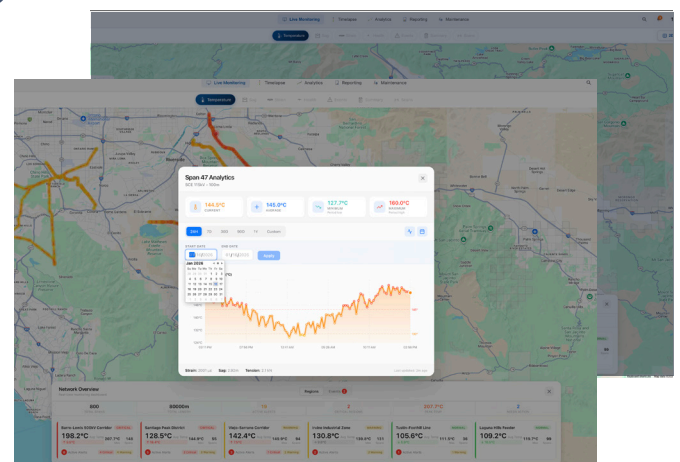
GridVista™ Software analyzes continuous data to power alerts, health indexing, and predictive analytics -- helping identify and prevent issues before they escalate.



Emerging & Future Applications

Extensive multi-system historical data will enable new AI-driven analytics and use cases for utilities and other stakeholders.

- Advanced Market Analytics and Design
- Grid Modeling and Optimization
- Energy Trading
- Financial Risk Reduction



**Want to
Learn
More?**

Contact us to discover the future of grid management: where data drives action and innovation empowers your team.

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