

DYNAMIC LINE RATING



Monitor conductor ampacity
to enhance transmission
system performance

Span Sentry™ provides real-time:

- Ampacity (maximum current capacity)
- Conductor clearance, tension & temperature
- Line current
- Weather conditions (wind, temperature & solar radiation)
- Live camera image of conductor & target (for ice or snow)

- Alleviate constrained line restrictions
- Defer line upgrades at minimal cost
- Avert forced outages in contingency situations
- Validate and/or modify static ratings
- Satisfy NERC Standards for line ratings
- Monitor clearances over roadways and rivers
- Tabulate data for conductor end-of-life analysis



EDM
EDM INTERNATIONAL, INC.

Why Span Sentry?

www.Avistarinc.com



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EASILY INSTALLS WHERE NEEDED

- Any structure type or circuit arrangement
- No outage required
- No limitations due to terrain or surroundings
- Installs in 3 hours or less
- All structure attachment hardware included
- System can be removed and relocated with minimal effort

CAMERA

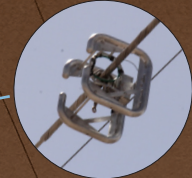
- Captures target image and calculates conductor clearance
- Monitors span day and night

CONTROL BOX

- Cellular Internet, radio or fiber optic data communication
- DNP 3.0 serial & Ethernet
- Data storage

CURRENT SENSOR

- Attaches to energized line with hotstick
- Monitors line current for total ampacity



TARGET

- Installs in minutes with standard Hotstick
- No outage required



WEATHER STATION

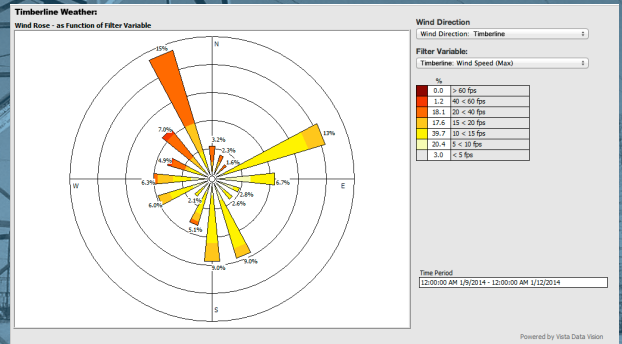
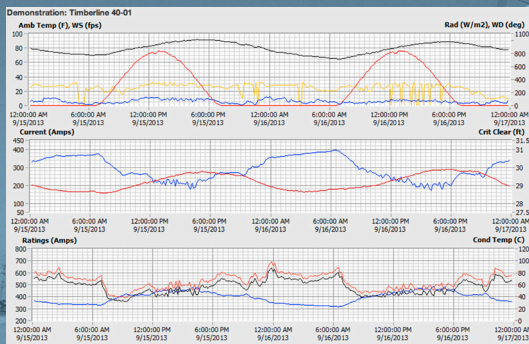
- Rugged sensors provide wind speed and direction, ambient temperature and solar radiation.

SERVICE & SUPPORT

- On-site installation assistance
- One-year, full-service warranty
- Extended warranty packages

DATA AT YOUR DESK!

- Avoid IT hassles! Quickly view rating data via GridWatchRT™, EDM's secure web-based data service.
- Clients can instantly access real-time and archived data anywhere, anytime.
- Text and email alarms notify personnel of line clearance or rating concerns.



Span Sentry™ incorporates technology developed with EPRI and the California Energy Commission.



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