



EMERGENCY LOCATING

Line Performance

TRANSMISSION RELIABILITY

TRANSMISSION LINE
QUALITY ASSESSMENTS

EXACTER TECHNOLOGY IDENTIFIES & LOCATES THE SOURCES OF TRANSMISSION LINE PROBLEMS THAT ARE UNDETECTABLE USING OTHER INSPECTION METHODS.

“Put Exacter in your helicopter and gather valuable line performance data.”

Predictive Maintenance (PdM) is a reliability strategy that monitors and assesses the condition of equipment while in service to identify weakened points on the transmission system. Including Exacter predictive analytics on scheduled flight allow you to identify problematic conditions that impact system performance and reliability.

Exacter's technology and analysis pinpoint degraded or contaminated equipment that cannot be detected using visual patrol and other inspection methods.

Exacter Analytics are gathered during scheduled flights. Utilities determine if the anomaly requires further inspection or immediate replacement.

Exacter data can be saved and used to benchmark and trend system health over a period of years.





1 Transmission System Assessment—Areas of Concern

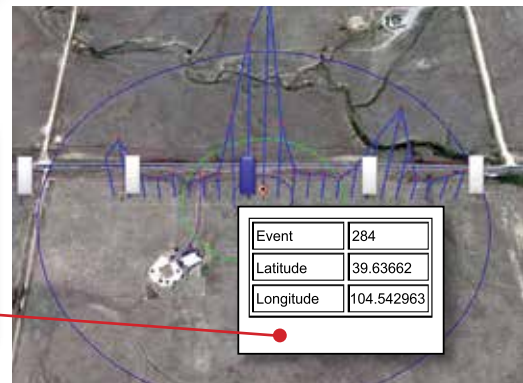
During line flyover, Exacter Technology identifies problematic conditions present on the transmission system and correlates emission data with the Exacter Failure Signature Library™. The data is used to create Areas of Concern, 1-3 mile sections of circuit where problematic conditions are detected.

- First level of survey analysis
- Trend information to monitor circuit conditions and identify developing problems
- Correlate with interruption data to determine if further investigation is necessary

2 High Definition Structure Analysis

The High Definition Structure Analysis (HDSA) is the second level of survey analysis. When applied to the Areas of Concern, Exacter's proprietary analysis will identify the structure locations where problematic conditions are present. This precise and actionable information allows the utilities to further inspect the structure and perform necessary maintenance operations.

Event	284
Latitude	39.63662
Longitude	104.542963



Event	284
Latitude	39.63662
Longitude	104.542963

3 Ultrasonic Acoustic Field Confirmation

The third level of analysis is Ultrasonic Acoustic Field Confirmation. Exacter Field Engineers visit the locations and structures identified by the High Definition Structure Analysis. Using Ultrasonic Acoustic technology engineers confirm and pinpoint the component responsible for the problematic conditions. Field Engineers take a high resolution image of the identified component and record attributes including GPS coordinates, structure ID tag, closest physical address, and description of component location on the structure.

