

# Traceable, Verifiable & Complete

A RELIABLE AND EFFECTIVE SOLUTION TO  
ADVANCE NATURAL GAS PIPELINE SAFETY

REDUCES RISK

REAL-TIME DATA COLLECTION

AFFORDABLE

**Leverage a proven geospatial solution to ensure your operations are traceable, verifiable and complete (TVC).**

Novara GeoSolutions (Novara) TVC program ensures operators have their records readily available and accessible for capital and maintenance planning, emergency response and regulatory compliance. With this cost-effective solution, operators can systematically reduce risk and increase operational awareness by improving the validity of asset information available in their data management environment while supporting the seamless flow of data from the field back to the office. Users capture data as assets go into the ground and every supporting document can be easily linked, creating a direct reference to critical signature, date and design information. Additionally, operators can easily extend real-time TVC data collection processes to their design and as-built process by implementing field-side tools, such as a digital bar-code scanner or a mobile solution. By using these more efficient techniques to collect and validate asset information, operators will have the data in their systems of record far earlier than traditional practices allow. Once the data is in the system of record, operators can use the information for mapping, maintenance activities, risk management and operational improvement.

Operators can decrease overall risk by incorporating optimized processes and as a result make accurate asset data readily available throughout the entire organization. This simple yet powerful solution allows users to validate and confirm data, document all content, know the exact location of assets, and effortlessly maintain the data over time.

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### Validate your existing data

Whether you have manpower concerns or not, it makes sense to have Novara help validate your historical data. It is critical to know where your data came from, the metadata associated with it, and to ensure its completeness. Novara can help you analyze your records, organize the data and tie it back to the GIS so all of your asset information is trackable and readily accessible to users across your Enterprise.

### Capture the correct data

By adding field tools like a barcode scanner or a mobile data collection platform, users can ensure their solution includes a traceable, verifiable, complete process. Not only does this give users improved data insight and improved risk management practices but it also increases efficiency in the field and fulfills record-keeping requirements for a variety of compliance purposes.

### Reduce risks and avoid fines

Meet and exceed regulatory requirements set forth by FERC, PHMSA and local regulators by demonstrating improvements within your asset management process. Your organization will be well prepared to respond to emergency situations along your pipeline right-of-way by incorporating TVC requirements in all phases of the data management workflow. Operators will also be prepared to provide the supporting information behind critical operational decisions when faced with records audits and reporting deadlines.

### Integrate it with your enterprise

Our solution can provide information not only to the GIS community but to all staff. Using the GIS's enterprise integration or points of integration, TVC content reaches other systems like SAP, Maximo, and supply chain or asset management solutions. Scheduling content can be migrated through similar paths or the work management can be directly integrated.

### Eliminate resource constraints

Novara offers a wide range of services including spatial analysis and mapping services, GPS field data collection, alignment sheet generation, geospatial database design and implementation, data loading and validation, consulting and web-based GIS application development and more. Novara can be an extension of your team so you can get projects completed quickly!

## ADVANTAGES

- > Easily add, update and maintain critical asset information
- > Link records to asset data and access records through desktop, mobile and web interfaces
- > Effective reporting on the complete life cycle of an asset
- > Collect data real-time or near real-time
- > Empower field teams
- > Ensure decision makers have the right data at the right time
- > Create a process of control and change management that supports the field data collection
- > Access data much earlier in the process compared to traditional processes
- > Integrate proven field data collection solutions

**SEE HOW YOU CAN EASILY MEET AND EXCEED REGULATIONS BY CALLING FOR A DEMO TODAY!**