Traceable, Verifiable & Complete (TVC) Solution

REDUCES OVERALL RISK

RECORDS ARE TVC

EASY TO USE, SCALABLE, AFFORDABLE & AFFORDABLE

Responsibly Improving the World We Live In

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Record reliability and assurance through traceability, verification and completeness

A reliable and effective solution to advance natural gas pipeline safety.

CHA Integrated Solutions (CHA) offers the experience, technical services and technology solutions to assist operators of natural gas and hazardous liquid pipeline facilities to review and verify the records used to establish or adjust MAOP or MOP. This solution also ensures our clients' processes are reliable by being traceable, verifiable, and complete. Records include, but are not limited to, as-built drawings, alignment sheets, specifications, and all design, construction, inspection, testing, maintenance, manufacturer, and other related records. CHA has developed a structured approach (and associated technology tools) to perform these record reviews to satisfy PHMSA's Advisory Bulletins and anticipated code changes that every gas, hazardous liquids and natural gas pipeline operator must review to ensure they will support MAOP determination, verification and reconfirmation and that the records are reliable, traceable, verifiable and complete.

Our TVC services include thorough records gathering and review, preparation of PFLs and SFLs if necessary, identification of discrepancies for the most critical records and pipeline system components, optional implementation and deployment of a geospatial pipeline system repository and asset management solution with linkage back to supporting records for traceability and audit, and development of a data/record improvement road map to reconcile existing gaps and to guide future information and record keeping for archival.

With our easily configurable and cost-effective geospatial solution, operators can systematically determine, verify and reconfirm the MAOP of their pipeline system; support risk and integrity management; and increase their operational awareness. Our solution will support the seamless flow of data from office-to-field-to-office.

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Validate your existing data

Whether you have manpower concerns or not, it makes sense to have CHA help validate your historical data. It is critical to know where your data came from, understand the metadata associated with it, and ensure its completeness. CHA 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

Once deployed, users can 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 processes by implementing field-side tools, such as a digital bar-code scanner or a mobile solution. 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.

Eliminate resource constraints

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

Regulatory compliance assurance

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 also 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.

CHA