

FACT SHEET

PIPELINE SERVICES

Ensuring pipe, coatings, logistics and construction comply to quality and safety requirements

Over the past 100 years, Intertek has acquired in-depth knowledge of many of the world's pipe and pipe coating manufacturers which gives you added assurance against the common problems associated with pipe production, coating, logistics and construction.



Our Solution, Service & Expertise

A complete supply chain solution is key to our service. We are recognized as the global energy industry's leading inspection partner for line pipe.

Technical Inspection & Audit

Intertek experts can help you gain a complete understanding of vendor capabilities through a tailored, systematic and independent vendor inspection and audit. Audits typically focus on a vendor's systems, processes and capabilities. We can conduct pre-contract assessments before any contracts are signed. Our service goes beyond the initial assessment. We also provide guidance for corrective and preventative actions in light of an audit's findings and follow up assessments to confirm the effective implementation of those actions.

Pipe

Intertek has a global network of highly experienced inspectors, ready to carry out independent assessments of your pipe as it is being produced, including reviewing and witnessing special processes; evaluating the critical parameters of the pipe; and reporting results.

Our experience with inspection of plate, pipe made with various processes such as DSAW, SAWH, SAWL, HFW (ERW), SMLS and OCTG and their threads and other tubular products for complete adherence to specifications is second to none.

Inspection of pipe manufacture

- Development or review of Inspection and Test Plan (ITP)
- Materials inspection, including plate etc.
- Welding qualifications
- Inspection by an inspection crew of different disciplines during production, per ITP and EN 10204 3.2. Certificate

Scope and Specifications

Our engineers, inspectors and technical specialists have worked with API since its inception in the development of API Standards and workmanship practices.

We also have experience with all types of pipe, tubing, casing, seamless and welded line pipe. Our expertise with specifications includes, but is not limited to: API, CSA, EN, ISO, ASTM, ANSI, ASME and DNV.

Coating

Quality control during application of anti-corrosion coatings to pipe for different applications is essential to achieve proper corrosion protection.

Experienced personnel ensure that application of the required protection material conforms to all governing standards and specifications such as FROSIO, CSA, SSPC, ISO and NACE.

Logistics

Confirming loading and unloading of pipe is handled per specifications and Intertek's standard operating procedures to assure our clients' pipe is delivered safely and in expected condition. This includes:

- Confirming handling equipment is in condition to safely handle pipe without damaging the pipe or the exterior or interior coating
- Checking dunnage condition during and in advance of loading or unloading to prevent delays
- Ensuring all forms of transport such as truck, rail and marine transport (vessel, seagoing or barge) are checked per the provisions of a given project
- Checking the loading pattern of the pipe to ensure pipe is situated, stacked and spaced properly to prevent damage

With increasing growth in the pipeline industry and the need to replace aging assets, capturing vital asset information to support regulatory requirements has become paramount.



PipeAware™

Intertek has developed a traceability system, PipeAware™, to gather and monitor critical data from steel production through pipe manufacture, coating and testing, to final delivery, construction, and eventual operation. Our innovative and technologically advanced software solution captures and imports pipe mill data into a global database giving customers unlimited access to detailed and accurate information.

Key Features

- **Traceability with Inspection** – combines traceability with inspection during manufacturing into one task thus reducing costs and simplifying service procurement
- **One System** – functions in each type of pipe manufacturing and coating application
- **Digital Record** – cloud based; traceable; searchable; and storage capable for photos and documents
- **Specification Validation** – validates data and highlights missing or out-of-spec data for compliance and ensuring fitness for service
- **GPS Capability** – allows location data to be automatically recorded using GPS coordinates
- **Time & Date** – automatically logs each entry with time and date as well as inspector's name
- **Stock Inspection** – tracks and stores current stockpile data

Pipeline Construction

Pipeline construction is very complex and site supervision is vital.

Services that oversee stages, such as right-of-way, ditching, stringing, welding, coating, non-destructive testing, backfilling, pressure testing ensure that construction meets all regulatory, safety, environmental and client requirements.

The safe and successful completion of pipeline projects greatly minimizes operational risks in safety, environmental impact and production and revenue losses.

Having Intertek as your expert partner provides much-needed assurance and peace-of-mind for pipeline owners and operators alike.

When supporting a customer during a pipeline project, we are also mindful of the important product that will soon be flowing through it (oil, gas, water, etc.) and how our services ensure the safe delivery of that product for homes and businesses.

With transparent, accessible and comprehensive sets of supplier information you can improve cost efficiencies, identify compliance gaps and cultivate stronger relationships with your suppliers.

Non-Destructive Testing

Growing demand for NDT services is driven by the need to comply with increased regulation, extended asset lifespan and the need to protect reputation from failure.

- Ultrasonic testing (UT)
- Automated ultrasonics and corrosion mapping (C-Scan)
- Eddy current testing / pulsed eddy current
- Magnetic particle inspection
- Liquid penetrant inspection
- Pre-heating/post weld heat treatment (PWHT)
- Rope access inspection techniques
- C-MOS inspection (corrosion inspection under insulation - RTR)
- Radiography (gamma, internal)
- Computed Radiography/Digital Radiography (CR/DR)
- X-ray and X-ray betatron
- Small control area radiography (SCAR)
- Magnetic flux leakage (MFL)
- Time of flight diffraction (ToFD)
- Infrared and thermal imaging
- Internal rotary inspection system (IRIS)
- Scanning and metrology

FOR MORE INFORMATION



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