

Dependability Quality



TECHINCO

CORROSION & NDT MANAGEMENT

Technical Inspection &
Corrosion Control Company
Since 1994

ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007, IMS

Other Asset Integrity Management Tools

- Risk-Based Inspection (RBI)
- Reliability Centered Maintenance (RCM)
- Hazard and Operability Study (HAZOP Study) and Safety Integrity Level (SIL Study)
- Fitness For Service (FFS)
- Failure Mode, Effect and Criticality Analysis (FMECA)
- Fault Tree Analysis (FTA)
- Material and Coating Selection
- Corrosion Monitoring and Controlling System
- Cathodic Protection

Certified By:



Membership of:



TECHINCO

Technical Inspection & Corrosion Control Company

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Guided Wave



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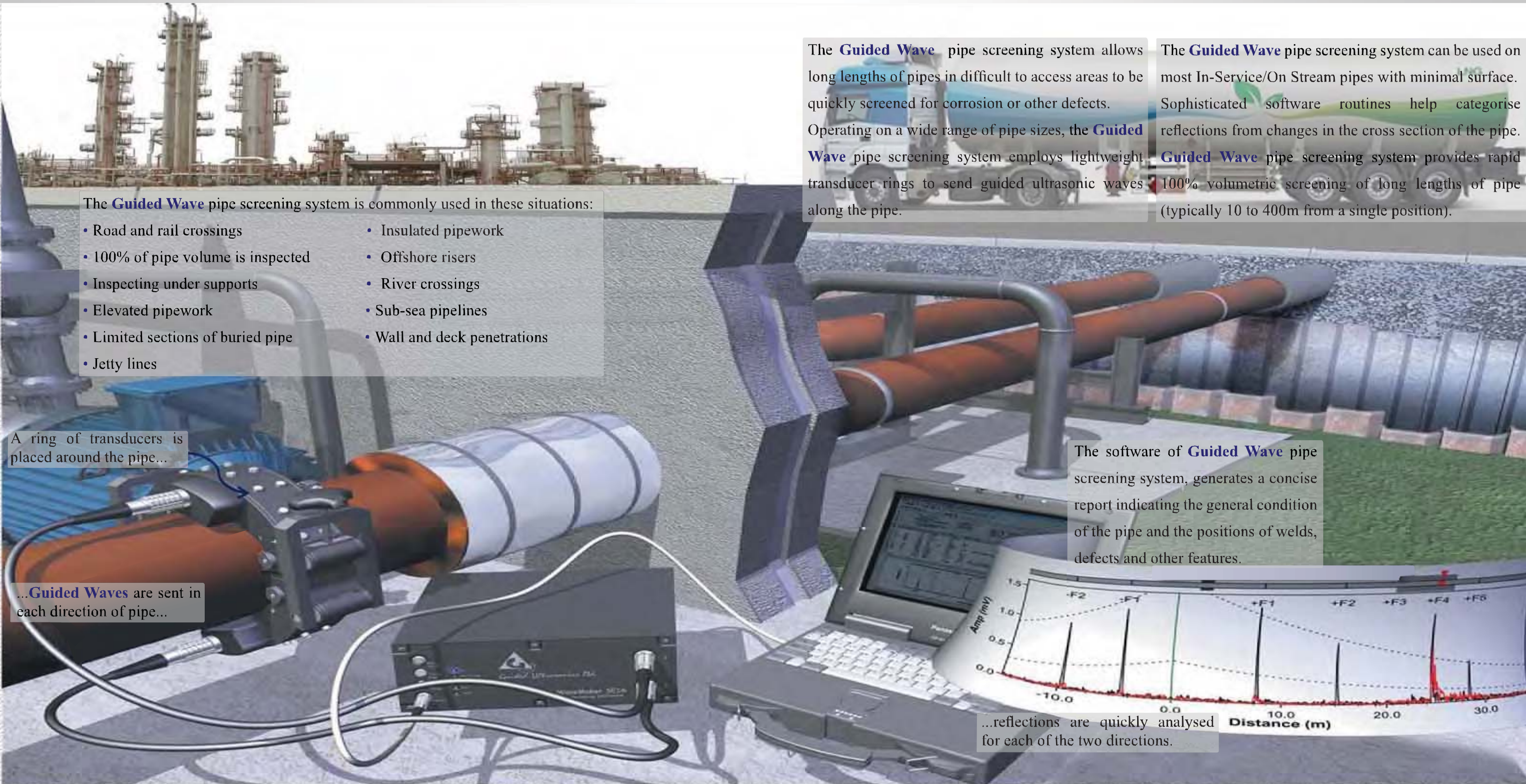
WHEN YOU NEED

RAPID PIPE SCREENING IN VERY DIFFICULT AREAS

Address: No. 18, Kooh-e-Noor St., Motahari Ave., Tehran, Iran

Guided Wave

Guided Wave



The **Guided Wave** pipe screening system is commonly used in these situations:

- Road and rail crossings
- 100% of pipe volume is inspected
- Inspecting under supports
- Elevated pipework
- Limited sections of buried pipe
- Jetty lines
- Insulated pipework
- Offshore risers
- River crossings
- Sub-sea pipelines
- Wall and deck penetrations

A ring of transducers is placed around the pipe...

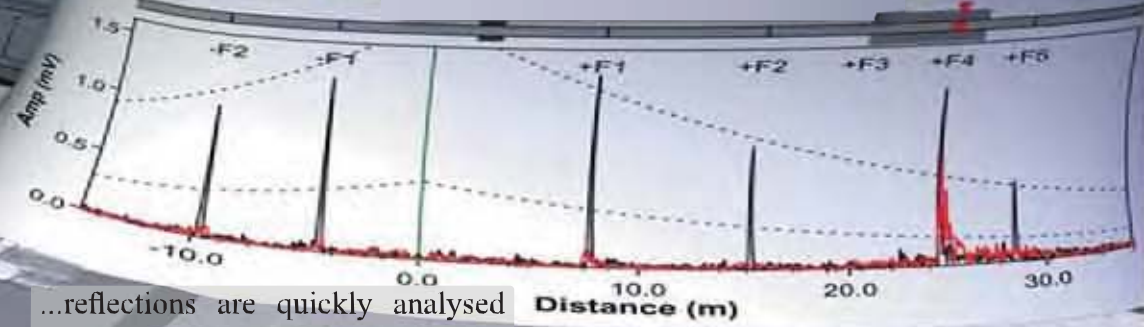
...**Guided Waves** are sent in each direction of pipe...

The **Guided Wave** pipe screening system allows long lengths of pipes in difficult to access areas to be quickly screened for corrosion or other defects. Operating on a wide range of pipe sizes, the **Guided Wave** pipe screening system employs lightweight transducer rings to send guided ultrasonic waves along the pipe.

The **Guided Wave** pipe screening system can be used on most In-Service/On Stream pipes with minimal surface. Sophisticated software routines help categorise reflections from changes in the cross section of the pipe. **Guided Wave** pipe screening system provides rapid 100% volumetric screening of long lengths of pipe (typically 10 to 400m from a single position).

The software of **Guided Wave** pipe screening system, generates a concise report indicating the general condition of the pipe and the positions of welds, defects and other features.

...reflections are quickly analysed for each of the two directions.



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