Digital X-ray Solutions for Oil & Gas X-ray Inspection

VJ Technologies (VJT) offers world class inspection equipment and digital X-ray solutions for the oil and gas pipeline industries. Utilizing the latest in digital radiography technology, VJT inspection systems and services have been designed and developed to address the most challenging pipeline integrity inspections.

Over Line Inspection systems designed and developed by VJT, provide quality digital inspections without interrupting operations. Systems are available in a variety of energies as inspection solutions for any pipe diameter.

Advanced Digital Imaging Systems, Digital X-ray and High Energy Field Inspection Services

Inspection Systems

For the Oil & Gas industry, VJT offers customized Over Line Inspection (OLI) solutions, including the OLI 360 Crawler and the OLI Saddle System. These X-ray systems, provide remote inspections for varying pipeline and saddle dimensions. All inspections are completed digitally, with real time review and without process interruptions.

360 Crawler System

- Linear Diode array based inspection
- Long Distance Inspection
- Inspections completed at 1 foot per minute
- No insulation removal required

Saddle System

- Complete saddle images
- Complete images between saddle top and pipe bottom
- Inspection rate of 1 saddle per 10 minutes

Complete CUI (Corrosion Under Insulation) Saddle Image

- Complete Image for each foot of pipe.
- Internal corrosion, external corrosion, corrosion under insulation, physical damage, internal erosion and water in insulation identified within inspection images.
Digital X-ray Field Services

Standard Services

- Weld quality
- CUI (Corrosion Under Insulation)
- Internal damages
- Corrosion
- Erosion

High Energy Field Services

A heavy wall pipe sample containing 3.5 inch pipe walls and a welded O-Let tested for high energy field X-ray inspection.

Field imaging with a portable X-ray source

VJ Technologies Offices

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