PACIFIC IMAGING SOLUTION
PIPELINE INSPECTION

We all know the Oil and Gas industry follow strict standards to maintain safety and proper functioning of equipment. What you might not know is that Pacific Imaging deploys cutting-edge Digital Radiography Imaging solutions to analyze structure & integrity, which is extremely efficient and can significantly reduce cost while producing results at tremendous speed compared to conventional film techniques.

For Oil and Gas, the process of gaining acceptance for a new testing method takes time. The main challenge lies in validating the quality of the digital radiography panel. That's where Pacific Imaging can provide guidance based on our 25 years of experience in Imaging. Often, the new approach is qualified by three departments, including the company performing inspection, the company manufacturing the tubing & the company that buys the tubing. Pictures below show images acquired using Pacific Imaging Software and Digital Detector using High Energy X-ray.

Pi Software with its "SINGLE CLICK" process makes acquiring images very easy. When you launch the software, detector & x-ray are auto-connected. Just press "READY" & an image is acquired within a few seconds & wirelessly transferred onto a tablet (or laptop) for immediate review and analysis.

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Pi SOFTWARE FEATURES*

ZOOM, PAN, ROTATE, FLIP	IMAGE STORAGE, IMPORT/EXPORT, DICONDE
TEXT, SHAPES, DISTANCES, AREAS	LINE PROFILE, DUPLEX WIRE
INVERT, WINDOW/LEVEL, HISTOGRAM	PIPEWALL THICKNESS MEASUREMENT
CROP, MASK, ROI, OVERLAY	ROI STATISTICS, SNR, CNR
BEST FIT, 1:1 DISPLAY, SPLIT DISPLAY	IMAGE PROCESSING, FILTERS, EMBOSSING, FALSE COLORS
UNDO, REDO, RESET, PRESENTATION STATES	PIPELINES, TRIGGERS, PLUGINS
CONFIGURABLE UI, MULTI-LANGUAGE	REPORTING
INFO FOR PART AND STUDY, OVERLAY	USER LOGINS, ROLES

Pacific Imaging Pipeline Solutions Include:

- Pacific DR Panel
  (Available in 14"x17", 17"x17" & 10"x12" options)
- Ruggedized Laptop and / or Tablet
  (For image acquisition, storage and transfer)
- X-Ray Source
  (Determined depending on scope of project)
- Accessories
  (Includes but not limited to dongle, USB WiFi- converter, Pelican case, etc…)

- DR Protective Armor
- DR Mount (Heavy Duty)
- PIPELINE Processing Algorithms
  (Optimized to image 12" – 14" thick Concrete)
- WiFi
  (Air Pi Wireless Trigger for Detector)

Pipeline – Where to Use
Newly Manufactured Steel Pipes
Low Pressure Steam Pipes
Steam Coolers
Water Pipes
Oil Pipes

Pipeline – Main Benefits
Detects corrosion (Internal & External)
Detects erosion (Internal)
Measures pipe wall thickness
Analyzes weld quality
Physical Damage Assessment