



KAEFER Insulated Pipe Scan

KAEFER's Insulated Pipe Scan system (KIPS) is a portable, hand-held real-time radiographic imaging system that can look through insulation to determine the condition of the underlying pipework.

It captures images and video to highlight any problems that may be associated with insulated pipe i.e. corrosion under insulation, moisture and ice which is particularly common in the Oil & Gas industry.

KIPS can provide a fast, accurate and detailed condition analysis of insulated pipe without the need to remove the insulation. This equates to significant cost savings, as more time is spent actually performing repairs than trying to find them.

KIPS can be utilised with Computerised Radiographic Testing (CRT) to determine the pipe wall thickness to provide a complete and accurate asset condition assessment.

Facts about KIPS

- > It allows rapid testing of insulated pipe, covering up to 250m per day.
- > KIPS can be used on pipes ranging from 20mm to 500mm with an insulation range between 10mm and 150mm.
- > KIPS can be used on: fibreglass; mineral wool; closed and open cell foam injection; PUR and PIR; and fireproofing materials such as asbestos, Chartek and Fendolite.



Advantages of KIPS

- > Faster than traditional methods providing significant cost savings
- > Identifies CUI, weld and other components, moisture and ice under insulation
- > Results are recorded in real-time allowing instant analysis and reporting
- > Improved safety - meets all EPA standards with a smaller exclusion zone than regular radiography
- > Limits disruption to an operating plant
- > Portable - can be used on any form of access





KIPS Reporting

KAEFER can provide a full range of report outputs including pipeline issue identification, photographs and videos in a detailed report and remediation repair options and budget pricing. As an insulation specialist contractor, KAEFER can also repair insulation and pipework defects.

Image sample



Moisture

Corrosion under insulation

	KAEFER INSULATED PIPE SCAN REPORT ON A PAGE		KAEFER
Plant Area: Perth Convention Exhibition Centre	Report No: AOG02/17/WA/PER/K IPS-RTR	Pipe Identifier: Hot Oil System	

Zone 1 140-HM-327-CBE-01; Zone 2 150-HM-1535-CBE-01	
Photo 1. Area Photo	Photo 2. Zone 1 KIPS Scan Shot
Photo 3. Zone 1 Insulation Removed Shot	Photo 4. Zone 2 KIPS Scan Shot
Comment: Insulation removed, heavy scale, have not removed scale	Comment: Severe CUI filling most of the lagging area

The KAEFER KIPS Team

- > Experts in the fast detection of insulated pipe issues
- > Complete capabilities in insulation remediation
- > Technical assistance with project execution
- > Fast and accurate detailed reporting

