CMI SERVICES

With AC-driven magnetic field analysis, land- or air-based, a wide range of combinable services can be provided in just one inspection run. This makes CMI the most powerful all-in-one solution for the inspection and digitization of buried pipelines.

3D-PIPELINE SCAN

Millimeter-accurate XYZ mapping and DOC measurements for gapless analysis

LEAK DETECTION

Drone-assisted methane detection directly over pipeline crown with exceptional resolution

COATING ASSESSMENT

Detecting coating failures under 1 cm² - blisters, cracks, and holidays

CORROSION DETECTION

Identification of active/passive corrosion defects in the pipe wall via advanced frequency analysis

BENDING STRAIN ASSESSMENT

Bending strain detection through the analysis of pipeline movement caused bends

AC CORROSION ASSESSMENT

Evaluating AC corrosion probability at identified coating defects

WHICH TYPES OF PIPELINES CAN BE INSPECTED?

Generally, all kinds of buried pipelines made of ferromagnetic material can be inspected. The transported product does not matter. Specific limitations are service based and will be discussed individually.

PLEASE CONTACT US FOR DETAILED INFORMATION

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Certified by

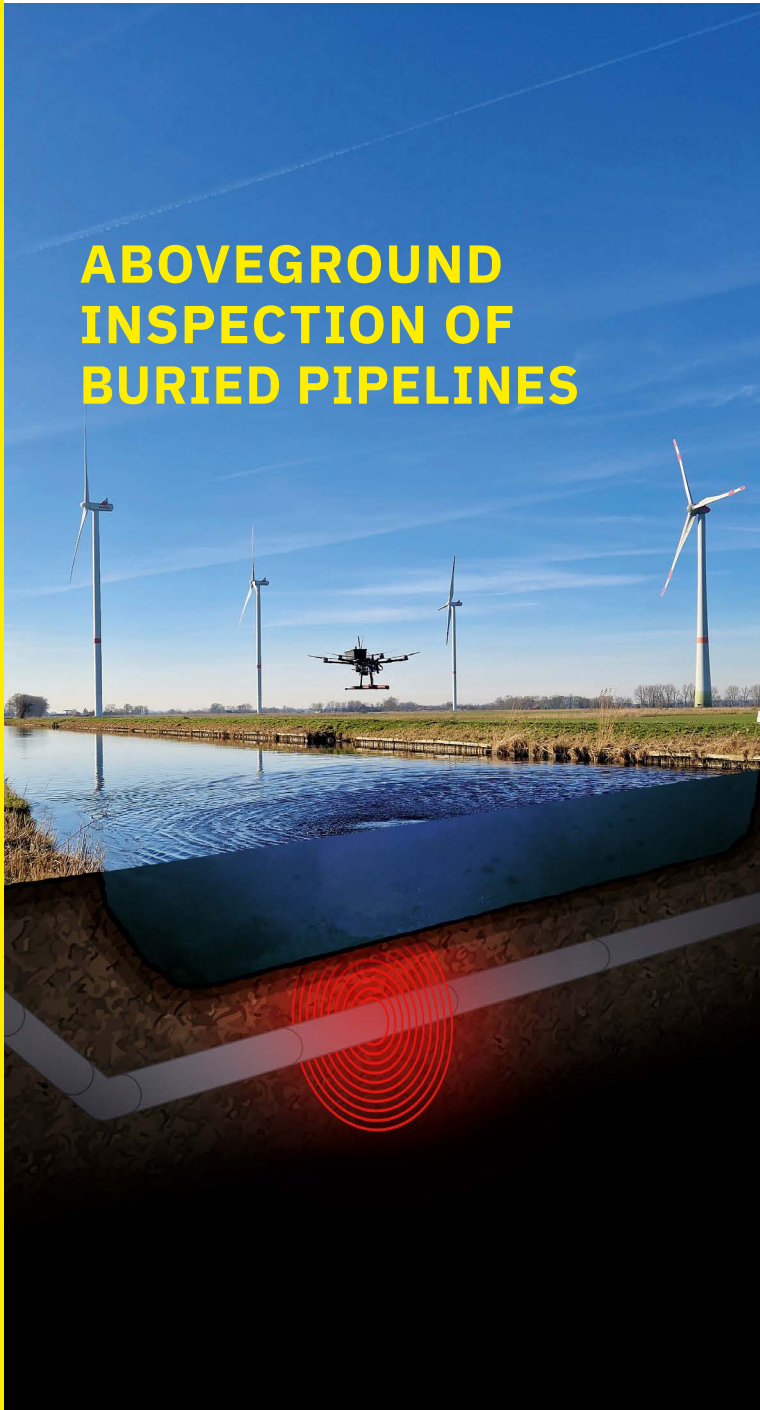
TÜV SÜD

CMI USED FOR 5.000+ KM OF PIPELINE

TOP 100 top innovator 2019

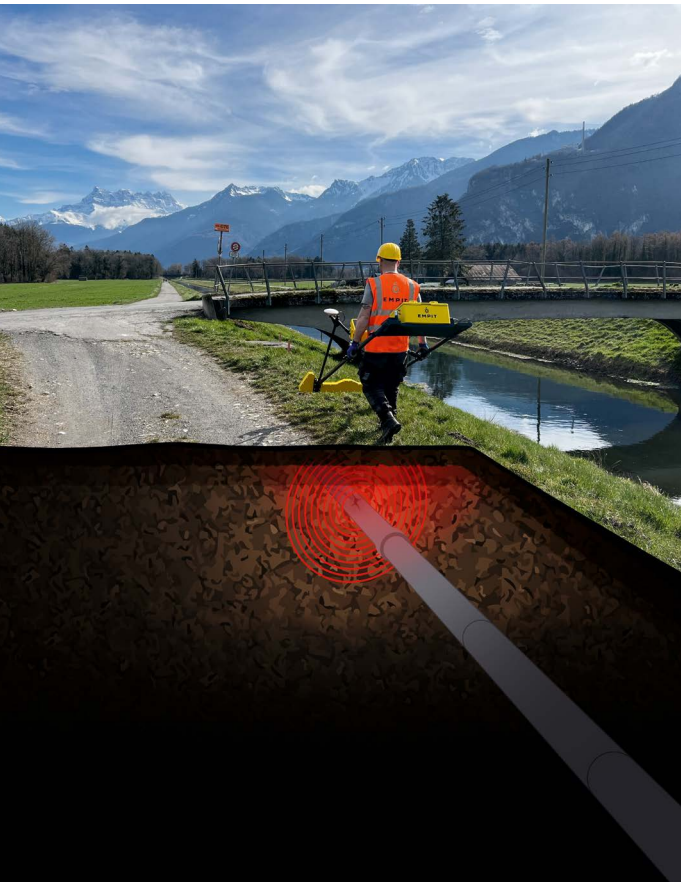
EMPIT
INSPECT THE UNPIGGABLE

ABOVEGROUND INSPECTION OF BURIED PIPELINES



CMI – THE AWARD WINNING INSPECTION TECHNOLOGY

Current Magnetometry Inspection (CMI) is a worldwide used, patented and officially certified inspection technology. It fulfills the requirement to evaluate the condition of unpiggable pipelines. The technology works remotely from the earth's surface. Inspection performance is maximized, while preparations and costs are kept to a minimum. Shutdown of the pipeline or direct access to the pipeline is not required.



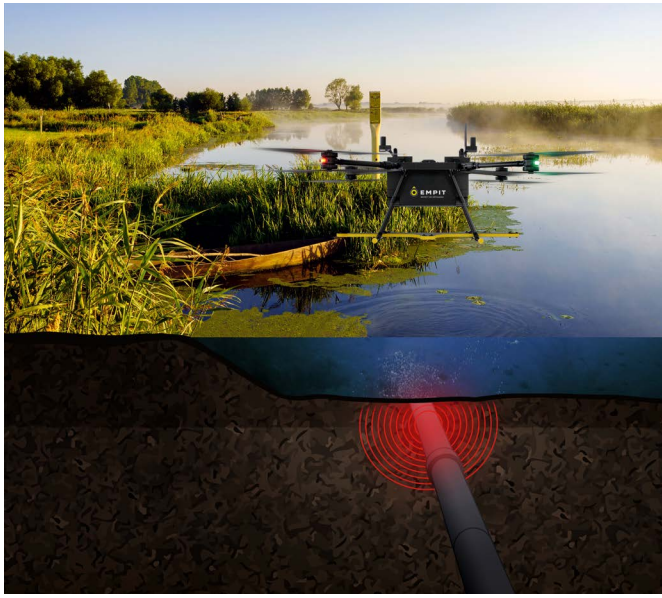
KEY BENEFITS OF CMI

A pioneering aboveground inspection solution engineered to inspect and map underground buried pipelines.

+ **Perform in-service inspections** for buried pipelines without soil removal, minimizing operational disruptions
+ **Designed to inspect unpiggable pipelines,** CMI works independently of pipeline geometry, overcoming the challenges faced by modern In-Line Inspection (ILI) tools such as smart pigs, crawlers, or free-floating devices
+ **Receive valuable insights** beyond the capabilities of traditional integrity tools or inspection companies

DOWNLOAD DESCRIPTION OF CMI SERVICES

AIR-BASED INSPECTION



Drone-enabled monitoring of Geotechnical Hazards

+ Absolute pipeline position and depth of cover
+ Bending strain
+ Pipeline geometry detection
+ Ground and pipe movement monitoring
+ AC stray current detection
+ Unrestricted access to geohazardous areas
+ Leak detection