

# NDT digitalization made easy

Materials testing, inspection and maintenance is becoming digital – and thus faster, more secure and independent. Changing from analog to digital work processes is extremely easy and can be done without modifications in the current IT infrastructure. That is, of course, if the right software is used. The digitalization requirements and the software vary from industry to industry.

**In the oil & gas and chemical industries these software properties are essential:**

- Digital exchange of NDT test orders and test results between the plant operator and service provider
- Quality-assured analysis of test images and signals
- Digital inclusion of authorities in the testing and approval processes
- Integration of reports in a digital signature process
- Standardized and structured data pool as basis for machine learning and artificial intelligence applications

## 10 reasons for working with the DIMATE PACS

(Picture Archiving & Communication System)

- 1 Simple integration of contractors into the digital test process
- 2 Immediate availability of all NDT orders and results
- 3 Simple comparison with previous tests to accelerate and optimize decision-making
- 4 Faster sign-off process by several days
- 5 High-quality data for ERP, RBI, IDMS due to digital review of image quality, digital wall thickness measurement and digital analysis of welds and pipes
- 6 Compilation of a digital life-time documentation of plant components
- 7 Integration of all test, process and documentation data for a component, including orders, documents, videos, certificates from different IT systems (plus third party systems)
- 8 Conversion of all data into the vendor-neutral format DICONDE (ASTM E2339)
- 9 Organization of the data according to a pre-defined file and folder structure

Up to  
**€ 3 million**  
cost  
savings!\*

\* Assuming turnaround costs of € 1.5 million/day and a realistic prevention of 2 shut-down days due to the use of the DIMATE PACS