



DIMATE
PACS

Challenges

Improve Efficiency of Inspections

Inefficiency in Image Management

Traditional inspection workflows, which rely heavily on manual processes, can be cumbersome, slow, and prone to error. DIMATE PACS revolutionizes inspection image management and data processing by digitizing and automating these workflows, providing a new level of efficiency and accuracy for plant inspections.

High Error Rate in Manual Data Entry

Manual data entry at various stages of the inspection workflow leads to about 10 % of inspection data being inaccurate. This includes errors in order and component data assignment, measurement reporting in Excel, and file naming for storage. DIMATE automates these processes, significantly reducing errors.

Disjointed Communication with External Contractors

Working with external contractors for RT, UT, and VT inspections can result in communication gaps and data inconsistency. DIMATE PACS streamlines communication by standardizing data exchange, ensuring accurate and consistent information sharing.

Media Discontinuities

Media discontinuities occur due to data being stored in various formats across different systems. DIMATE PACS ensures seamless integration by closing digital gaps, enabling smooth data flow and consistent data processing.

"The NDT activities that we hoped would offer the greatest potential for optimization through digitization are those that are performed during the year. With the introduction of DIMATE and the associated digitalization of the previously analog inspection process, we wanted to identify and exploit the potential in cooperation with our external service contractors. And we succeeded."

Dr. Fabian Kohlbecher, MiRO project manager responsible for digitizing the non-destructive testing.





Benefits

1. Efficient Data Management

The system effectively handles large volumes of image files, ensuring that data is loaded quickly and efficiently. This optimizes performance and reduces waiting times.

2. Digital Image Analysis and Processing

DIMATE PACS offers functionalities for viewing, processing, and analyzing digital images more accurately and swiftly than manual methods. Image calibration, measurement, and filters improve the quality and precision of analyses.

3. Compatibility Across Different Devices and Formats

DIMATE PACS uses DICOM, a standard which solves the issue of disparate data formats that could otherwise hinder seamless data integration and accessibility.

4. Audit-Safe Storage DIMATE PACS provides audit-safe

Storage, ensuring that all digital data and documents comply with required standards, thus maintaining data integrity and regulatory compliance.

5. Centralized Access and Management

The system centralizes all test information, reducing the need for multiple archives and simplifying data management. This centralization also makes it easier to train staff, as they only need to learn one system.

6. Data Accessibility and Sharing

DIMATE PACS reliably provides image data not only within the company but also to external parties such as contractors and regulators, facilitating faster decision-making and collaboration.

7. Data Security

DIMATE PACS ensures digital images and test data are protected from unauthorized access, safeguarding sensitive information and complying with privacy standards.

About DIMATE

DIMATE GmbH, a spin-off from VISUS Health IT GmbH, was established in 2018 to digitize non-destructive testing (NDT) processes, improving their precision and safety. The founders recognized the early need for digital solutions in material testing, inspection, and maintenance. They leveraged their expertise to design specialized software technology systems that revolutionized the testing process.

The name DIMATE blends "digital" and "mate," symbolizing the company's commitment to being a trusted companion and guide for customers on their journey toward digitalization.

Proven ROI

Direct cost savings due to reduction of effort required per inspection

- Cost avoidance/delay in planned maintenance
- Minimization of unplanned downtime
- Reduction in overall turnaround

DIMATE GmbH
EnergieEffizienzZentrum Bochum
Lothringer Allee 2
44805 Bochum
fon +49 234 54 50 39-900
info@dimate.de
www.dimate.de