Are you familiar with our industrial-grade accredited inspection services?

- Accredited laboratory in line with DIN EN ISO / IEC 17025, to qualify and validate new non-destructive testing (NDT) processes for industrial applications
- Accelerated time-to-market and opportunity for qualified, norm-compliant deployment in industrial applications as well as for new in-house developments or custom adaptation of innovative NDT technologies, even in fields where norms have not been established
- Certification of the corresponding quality management system in accordance with DIN EN ISO 9001
Advantages

- Easy-to-implement real-time capable sensor control
- Uniform communication with actuators, sensors, and MES/ERP systems
- A basis for developing cognitive and IIoT (Industrial Internet of Things)-capable sensor systems

DICONDE (Digital Imaging and Communications for Non-Destructive Evaluation)

DICONDE is an extension of the DICOM medical exchange and documentation format for non-destructive material testing. This format allows storing information such as image or volume data, as well as additional information such as surface definitions and metadata. DICONDE standardizes both the format for storing the data as well as the communication protocol for exchanging them.

Advantages

- Linking of inspection results independently from the inspection procedure
- Simple access to measurement data even after they have been stored for several years
- A basis for a database containing inspection technology knowledge for Big Data approaches

Applications

Applications can be found wherever existing infrastructure is expanded, modernized, or designed from scratch. OPC UA and DICONDE ensure essential prerequisites for quality assurance in any type of production facility. In the context of integration into Industry 4.0, both of them provide an optimum basis for intelligent, networked production.