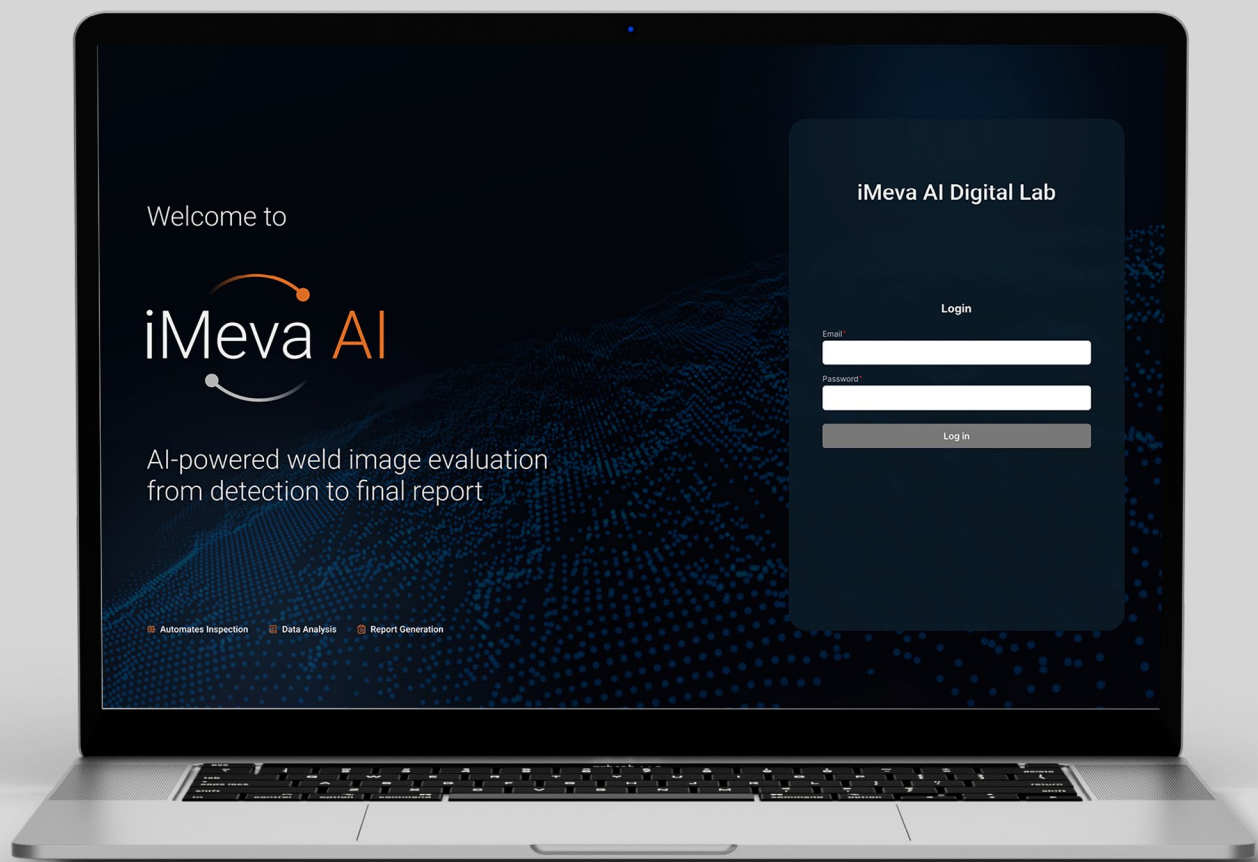




iMeva AI

AI-powered module for weld image evaluation



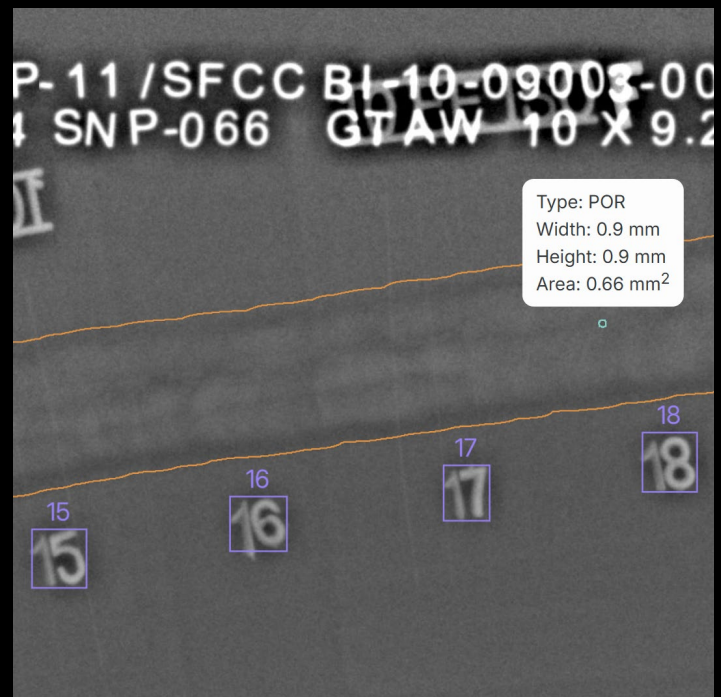
iMeva AI is a standalone intelligent software solution designed for Assisted Defect Recognition (ADR) in digital radiography. Developed specifically for the inspection of welded joints, it supports specialists throughout the evaluation process, from image analysis to final report generation.

The software automatically identifies the inspection area, detects, classifies and measures indications, and exports data into a structured inspection report. All results remain fully editable, allowing the operator to review and validate them before final approval.

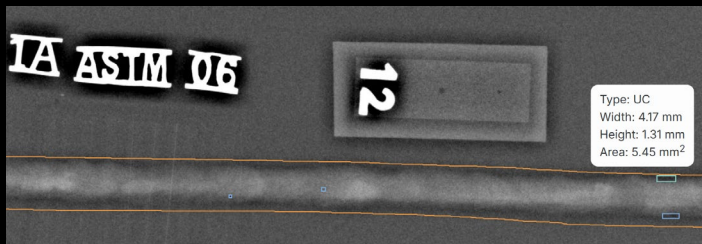
Powered by Computer Vision and Deep Learning technologies, the platform delivers end-to-end automation of the radiographic image analysis process, significantly reducing manual effort and interpretation time.

Key features

- Automatic detection of the weld contour and measuring belt before flaw search.
- AI-assisted detection, classification, measurement and coordinate localization of defects on DR images.
- Weld quality evaluation in accordance with ASME B31.3 acceptance criteria.
- Results review and editing via a user-friendly interface with filters and other tools before approval.
- Automated generation of standardized inspection reports combining imaging parameters, detected flaws and measurement results.
- Increased productivity by automating routine tasks and reducing operator workload.
- Isolated solution with no transfer of sensitive data outside the customer's infrastructure.



Measurable results



- 2-3 minutes average evaluation time per image.
- Up to 150-200 inspection reports per day.
- Up to 96% defect classification accuracy.
- Detection of flaws from 0.1 mm.
- Less than 5% human-factor errors.

Deployment options

iMeva AI is available in two deployment configurations designed to meet different operational requirements, from standalone inspection workstations to enterprise-scale infrastructures.

BOX SOLUTION

Provides a ready-to-use environment for AI-assisted image evaluation on a local workstation. Ideal for independent inspection teams looking for a simple deployment, fast implementation and reliable day-to-day operation without additional infrastructure.

ENTERPRISE SOLUTION

Designed for organizations managing multiple users and inspection projects. Provides centralized data management, role-based access and scalable server architecture for efficient collaboration and enterprise-wide inspection management.



DIGITAL RADIOGRAPHY SYSTEMS, SOFTWARE AND AI INSPECTION SOLUTIONS

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