



APPLICATION NOTE

RT ADR

Defect analysis of film and CR weld images of shipbuilding structures

- Company operates a shipyard where various ships are manufactured.
- Welds on ship hulls are inspected with radiography and company manually analyzes X-Ray film images and CR images to gauge hull condition.
- Manual analysis is time consuming and results are not consistent.

Solution

- Weld x-ray images are uploaded into DAI's ADR software on a standalone system.
- ADR system is customized for company's data and standards to identify and classify weld defects.
- Company processes multiple inspection data images entirely and generate reports based on results.

Impact

- Auto detection of defects significantly reduces analysis time of images.
- Company has processed more than 100 radiographic weld images in an hour. Average 4-5 images per minute.
- Clear indication of defects in welds allows company to make decisions.

