



APPLICATION NOTE

PAUT ADR

Analysis of PAUT inspection data of plate welds in refining industry

- Company inspects welds using PAUT inspection, on their piping and refinery structures.
- PAUT inspections generate vast amounts of complex data which can only be analyzed by experts familiar with it.
- Company wants to speed up the PAUT data interpretation process.

Solution

- DAI's ADR standalone system customized for company's data and standards.
- PAUT inspection data uploaded into the ADR system.
- Volumetric position of defects in V-welds are identified and visualized in 3D automatically.

Impact

- Processing time for one set of PAUT weld data is less than 5 mins. Manual interpretation takes about 2 hours.
- Auto detection of defects significantly reduced the overall inspection time for company.

