



## Analysis of PAUT inspection data of plate welds in refining industry

- Company inspects V welds and double V welds using PAUT inspection on their 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 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 for signal anomalies is less than 10 mins. Manual interpretation takes about 2 to 3 hours for a Level 2 inspector.
- Auto detection of defects significantly reduced the overall inspection time for company.

