

SAE-AN ENGINEERING CORP.

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major business	Pre-Service Inspection/In-Service Inspection for Nuclear Power Plant		

Since its establishment in 1997, SAE-AN Engineering Corporation has been striving to secure safety for nuclear power plants. As a qualified supplier of KHNP(Korea Hydro&Nuclear Power Co., Ltd.), SAE-AN has seven supply qualifications, five stability grades(Q) and two safety impact grades(A). Since 2016, SAE-AN has been conducting Pre-Service Inspections of BNPP(Barakah Nuclear Power Plant) Units 1~4 which are under construction in the UAE.

Products



PSI and ISI Service for Piping, Equipment, and Structures

Use Safety Check and Evaluation

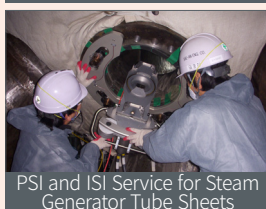
Description To verify the integrity of piping, equipment, and structures of nuclear power plants that are under construction or in commercial operation, we use various NDE methods such as UT/AUT/MT/PT/VT



PSI and ISI Service for Reactor Pressure Vessel

Use Safety Check and Evaluation

Description Reactor vessels and nozzles with a high risk of radiation exposure are subjected to mechanized UT(MUT) inspection using mechanized remote-controlled test equipment



PSI and ISI Service for Steam Generator Tube Sheets

Use Safety Check and Evaluation

Description Perform ECT(Eddy Current Test) inspection on the Steam Generator tube sheets, key equipment of nuclear power plant, using automated and computerized test equipment

Technical Capacity

» Leak&Vibration Monitoring System by using Vision Devices(Camera, CCTV, Etc.)

Wide-area remote monitoring
System simplification for reduce installation costs and improves maintainability
Early warning and safety assurance in abnormal condition

» Reactor Vessel Inspection and Safety Assessment

Inspecting reactor vessel and nozzle using mechanized remote-controlled test equipment and evaluate safety by analyzing acquired data