

TCR ARABIA SERVICES RANGE

Service Department	Activities
Non-Destructive Testing (Conventional)	RT, UT, MT, PT, VT, HT, FT
Non-Destructive Testing (Advanced)	HHTA, SWC, EMAT, LRUT, PECT, PAUT, ToFD, Corrosion Mapping, Tube Inspection (ECT, RFT, MFL, IRIS), MFL Tank Floor Scanning, Corrosion Mapping (normal & high temp), Thermography, Boroscopic Inspection, Helium Leak Testing, PMI
Material Testing (Mechanical)	Tensile, Charpy Impact, Bend, Hardness, Macro, Load Tests, Corrosion Tests,
Welder Qualification	WPS, PQR, WQT, Welder Certification
Heat Treatment	PWHT, Pre-heating
Metallurgical Services	Insitu Metallography, Failure Investigation, Remaining Life Assessment (RLA), Fitness for Service (FFS), Microstructure Analysis.
Inspection Manpower	NDT Technicians, Plant Inspectors, Inspection Engineers, Welding Inspectors, API 510/573/653 Inspectors, Corrosion Engineers, ASNT Level III
Engineering / Consulting Services	Stress Analysis, Risk Based Inspection (RBI), Damage Mechanism Study, Coker Drum Inspections.
Trainings	Level I & II ASNT UT, MT, PT, RT, VT Metallurgy for Non-metallurgists Damage Mechanisms
Microbiology Lab Testing	Microbial quality testing, Pathogen determination, Food Microbiology testing, Soil Microbiology testing, Legionella testing, Water analysis
Civil Lab /Field Inspection	Construction material testing; Laboratory and Field tests for Soil, Aggregates, Cement and Concrete
Calibration	Measuring Equipment, Measuring Scales, Instruments and Welding Machine etc.
Robotic Inspections	Submersible Robotic Inspection Robotic Inspections of buried, above-ground and unmanned locations.