



ABOUT US

PDT Techniques, a subsidiary of Permodalan Darul Ta'zim, a wholly-owned Johor State Government company specializes in providing inspection consulting services, non-destructive testing, corrosion engineering and asset integrity management services to the oil and gas, petrochemical, utility, manufacturing and construction industries throughout Malaysia and abroad.

As our reputation amongst clients and quality supplier of NDT and Inspection services has grown reliable, we have added to the range of services we have to offer to our customers. PDT Techniques has embarked on a plan to expand our geographic area of operation and extend the services available to take advantage of new business opportunities and the specific needs of existing and new customers.



OUR SERVICES

ASSET INTEGRITY MANAGEMENT

- Risk Based Inspection Analysis & Planning
- Reliability Centered Maintenance
- Scheme of Examination
- Asset Life Study
- Failure Analysis

ADVANCED NDT SERVICES

- Remote Visual Inspection
- Phased Array UT
- Eddy Current Weldscan
- Tank annular plate inspection
- Corrosion Under Pipe Support (CUPS)
- Hybrid Acoustic Technology Systems
- Integrated Metal Magnetic Memory Technology

METALLURGICAL ANALYSIS

- Positive Material Identification
- Hardness Test
- Failure Analysis
- Replica

TRAINING

- Scaffolding
- Working at Height
- API
- ASNT
- IRATA

INSPECTION SERVICES

- Tank Inspection
- Plant Inspection

PROCESS SAFETY MANAGEMENT

EQUIPMENT RE-ENGINEERING

CONSULTANCY IN STATUTORY REQUIREMENT COMPLIANCE

FITNESS FOR SERVICE ANALYSIS

SOFTWARE DEVELOPMENT

ENGINEERING – PRESSURE VESSELS, PIPINGS

MANPOWER SUPPLY

HSSE POLICY

PDT TECHNIQUES SDN BHD is a company which provide technical services for inspection, non-destructive test, certification, consultation and asset integrity management which include risk based inspection (RBI), corrosion management, reliability centered maintenance (RCM), safety integrity level (SIL) with clear objective of improving the reliability and availability of assets. Protecting the health, safety of our employees and protection of the environment is a core value within our scope of work.

PDT TECHNIQUES SDN BHD is priotizing on the safety performance as a direct reflection of the company's ambition to be a role model in safety and continually improving safety performance.

RESOURCES CAPABILITIES

PDT Techniques team comprises of total: **116 PROFESSIONAL**
310 TECHNICAL TEAM

We owns the following technology and advanced NDT equipment to conduct our risk based inspection.

TECHNOLOGY / SOFTWARES:

Plant Risk & Inspection Management System (PRIMS)

Electronic Management of Change (E-Moc)

Smart Reporting Template

Online Personnel Performance Evaluation

ADVANCED NDT EQUIPMENT

- Remote Visual Inspection
- Eddy Current Weldscan
- Corrossion Under Pipe Support (CUPS)
- Infrared Inspection
- Tank Annular Plate Inspection
- Phased Array Ultrasonic Testing



PARTNER'S PROJECT EXPERIENCES

- ▶ Provision Of Consultant To VCM To Support Application For Ministry Approval – Exemption From Internal Inspection For 37 Nos Of Vessels At VCM.
- ▶ Advanced High Resolution Tank Bottom Inspection Tool (TBIT) Tank Floor Scanning- T 661 and T662 TBIT.
- ▶ Provision of Inspection & Corrosion Monitoring Services for PETRONAS Carigali Sdn Bhd (ICM).
- ▶ Petronas Carigali RESAK Flare Boom Fitness for Service – Fire Damage Assessment Sdn. Bhd.
- ▶ RBI Re-Assessment & Consultancy/Assistance in Preparation for DOSH Application Package for CoF Extension.
- ▶ Provision of manpower and equipments to perform infrared thermography testing on 6 furnaces at Optimal.
- ▶ Cathodic Protection (CP) Survey on underground natural gas piping.
- ▶ Repair of Air Accumulator (SDV 4002) at OGT, PCSB.
- ▶ Provision Of Risk Based Inspection (RBI) Implementation For Mechanical Static Equipment And Piping For Nippon Sk10 Helang And Layang.
- ▶ Supply of NDT Equipment to Exxon Mobil.
- ▶ Perform PAUT with Cobra Scanner for tubing size 2" to 3" at Manjung Power Plant.
- ▶ RBI Re-Assessment & Consultancy/Assistance in Preparation for DOSH. Asset Life study.
- ▶ Perform Ultrasonic Phase Array (PA) Inspection Service for Kapar Energy Ventures - HP Heater # 5 unit 4.
- ▶ RBI Re-Assessment & Consultancy/Assistance in Preparation for DOSH. Asset Life study.

PARTNER'S ACCREDITATION & CERTIFICATION

DOSH
Certified
Centre for
scaffolding
training

API-510
Pressure
Vessel
Inspection
Code

API-580
Risk
Based
Inspection

API-653
Tank
Inspection

IRATA
Abseiler
Training



KEY CLIENTS



PDT

TECHNIQUES

PDT TECHNIQUES SDN BHD (1305427-M)

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