

PT PLN INDONESIA POWER
Maintenance Business Unit

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About US

EXCELLENT MAINTENANCE POWER TESTED BY NATURE, TRUSTED BY PARTNER

The high demand for electricity along with the rapid growth of economy presents major challenges, especially in maintaining the condition and performance of the power plant to guarantee electricity supply.

PLN Indonesia Power Maintenance Business Unit with long time-tested experience in maintaining the condition and performance of power plants with a variety of energy sources in Indonesia and abroad is ready to share expertise and experience with its world-class product and services.

PT PLN Indonesia Power is a subholding of PT PLN (Persero), which previously was PT PLN Nusantara Power and was established on October 3, 1995 as an effort to initiate business independence of power generation sector in Indonesia.

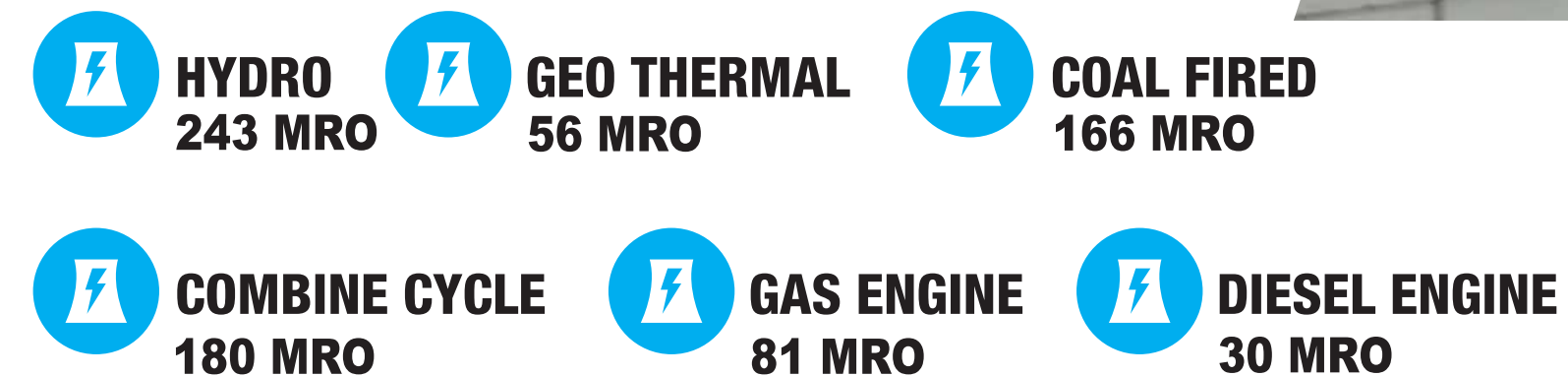
OPERATION & MAINTENANCE SERVICES

Our comprehensive business scope is strengthened by the implementation of a best-in-class 3P system (People, Performance Process) along with long-term strategic partnerships with leading global tool and technology providers. This ensures sustained operational and maintenance excellence for your power plants.

BUSINESS SCOPE

- Maintenance Service
- Overhaul

MAINTAINING 35.751 GWh WITH TOTAL MRO :



PEOPLE SYSTEM

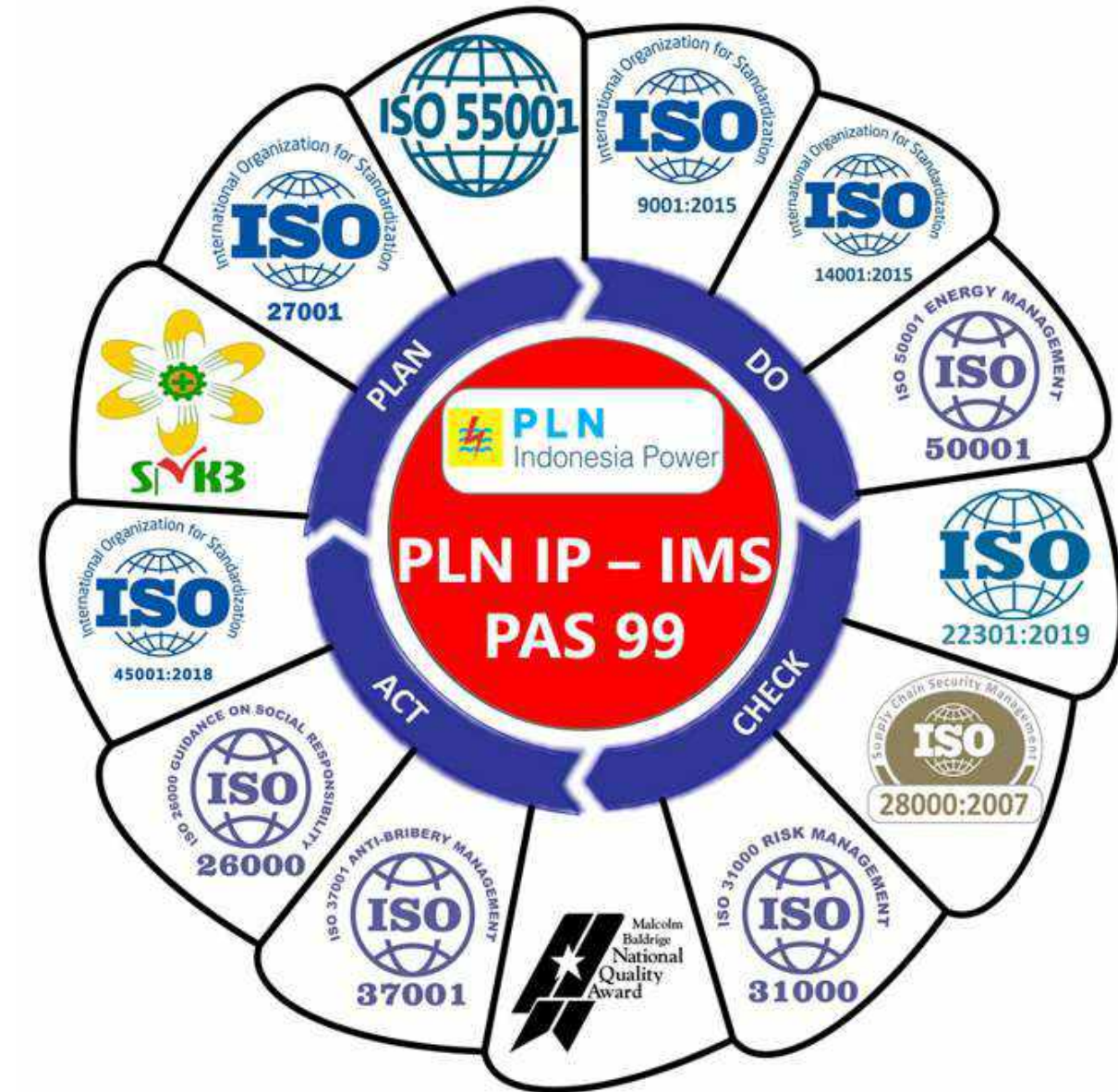
- Employee availability & competence
- Employee competency acceleration
- FGD for problem solving
- Internal & external training

PROCESS SYSTEM

- Health, Safety & Environment stewardship
- Asset Management
- Long-term contracts with local and manufacturing workshops
- Total O & M contract based on Service Level Agreement
- 5S (Seiri, Seiton, Seiso, Seiketsu, Shitsuke)

PERFORMANCE SYSTEM

- Upgrading sub-standard tools into standard-compliant ones
- Strategic sparepart
- Optimization of Overhaul
- Strategic Partnership



CERTIFICATION

- Electricity Power Competency Certification includes New Certification and Certification for Extension of Operations and Maintenance Fields
- General OSH Expert Certification
- Category II Vibration Certification
- Corrosion Inspector Certification
- Certification of Welderers
- Certification of Fire fighters
- First Aid Officer Certification
- Fitter Certification
- NDT Certification
- Boiler Inspector Certification
- Welding Engineering Certification
- Welding Inspector Certification



MAINTENANCE REPAIR & OVERHAUL

Make your power plants stay on top performance with our repair & overhaul services commitment, **5-ON**;
On Safety, On Quality, On Time, On Scope and On Cost



BUSINESS SCOPE

MAINTENANCE

- Integrated EAM
- Condition Based Maintenance/
Predictive Maintenance
- Remaining Life Assessment
- Troubleshooting
- Motor Testing 380 v & 6 kv

REPAIR

- Steam Turbine
- Boiler
- Valve
- Pump and Compressor
- Reinsulation Generator

OVERHAUL

- CI/HGPI/TI/MI
- Minor/Mean/Serious
- Type A/B/C
- TO/SO/MO
- Frame 5, 6, 7B, 9E, F



TOOLS FOR MECHANICAL



Vibrasi Analyzer Multi Channel
ADRE 408 Bently Nevada



Borescope 10 M
Olympus IV96100GL



Mesin Induction
Bolt Heater DAIICHI



Portable Vibration Scanner
VibScanner Pruftechnik
Type VIB 5.400



Low Speed Balancing
Schenck H90-TS



Robotic Thickness
Scanning Tool Vertiscan,
Probe for CUI Corrosion



Bump Test
Frequency Responce Function
Analyzer (FRFA) - SIRIUS



XRD XRF Analyzer Olympus

Borescope 3,5 M
Olympus IV9435 G

Borescope 20 M
Olympus IV98200RT

Post Welding Heat
Treatment Eldec

Positive Material
Identification (PMI)
Bruker Titan

UT Thickness DMS GO+
(Waygate Technology GE)

Laser Cleaner Machine
IM QFC-100 Equipment Set

TOOLS FOR ELECTRICITY



CPC 100 Omicron Set

Measuring And Analysis System
For Partial Discharge\
MPD 600 OMICRON



Stator Wedges Analyzer
(SWA) IRIS

Relay Tester ISA DRTS 66



Circuit Breaker
Analyzer CB ISA 3000

Sweep Frequency Response
Analysis (FRANEO) Omicron



Winding Resistance Meter
Type: TRM 40, Merk: Vanguard

Dielectric Response Analyzer
(DIRANA) - OMICRON



HVA 60 60 kV AC VLF
& DC High Volt. Tester

Compact 50 Kv Resonant Test Set,
AC Series/Parallel Resonant Test System,
Model : RTS8TCS50-500X,



Breakdown Voltage Tester
Merk Megger OTF 100AF

Mobile Transformer AC/DC
High Voltage - Sefelec



Portabel Online Partial
Discharge Monitoring System

TOOLS FOR INSTRUMENT



Temperatur Calibrator Range Ambient
to 650 - 1000 (GE Druck Tc650)

Pneumatic Pressure
Calibrator 4 - 400 Bar
ADT916 // ADT925 - Additel



Multifunction (mA, mV, Rtd, TC)
Source CA 71 Yokogawa

Multifunction Calibrator
(Additel ADT221A/Set-2)



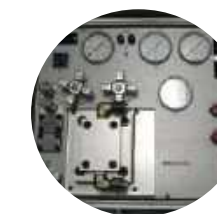
Low Pressure Hand
Pump Nagano Keiki

Field Communicator Druck
DPI620 Genii - GE



Portable Vibration Shacker
The Modalshop 9110D

Hart Comunicator Field Emerson



Servo Valve Analyzer
(Moog F087-127)

Alat Digital UT Gauge with
Waveform Verification (UT Oxide Scale)
Merk Olympus



SPECIAL TOOLS PLN INDONESIA POWER MAINTENANCE BUSINESS UNIT

PROJECT HIGHLIGHT



Turbine Ansaldo 60 MW Capacity



Relay Protection Verification

OUR CLIENT & PARTNER



PT Geo Dipa Energi (Persero)



OPERATIONAL AREA

