

BUSINESS FOCUS

ROTATING EQUIPMENT

SERVICES

- Gas Turbine
- Centrifugal Compressor
- Single & Multi Stage Pump
- Steam Turbine
- Turbo Charger
- Rotary Pump
- Vertical Turbine Pump
- Reciprocating Pump

TRAINING

- Balancing
- Compressor
- Gas Turbine
- Pump
- Steam Turbine
- Vibration
- Maintenance

HEAVY DUTY GAS TURBINE COMPONENTS REPAIR

- Gas Turbine Blades
- Gas Turbine Vanes
- Transition Pieces
- Combustion Baskets
- Shroud Blocks
- Ring Segments
- Compressor Blades
- Compressor Stators
- Compressor Diaphragms
- Lock Plates
- Transition Clamp Shells
- Fuel Nozzles

MANUFACTURING

- Steam Turbine

MAINTENANCE, REPAIR & OVERHAUL INDUSTRIAL ROTATING EQUIPMENT

INDUSTRIAL GAS TURBINE

- Allison 501 K
- Kongsberg KG-2
- Rolls Royce - Avon & RB 211
- Solar Saturn
- Solar Centaur
- Solar Taurus
- Various Industrial Turbine
- Kawasaki

HEAVY DUTY GAS TURBINE, SUCH AS

- Mitsubishi MH701D
- Westinghouse Electric
- GE : Frame 5,6,7 and 9,
- ALSTOM (ABB 13E1, 13E2)
- Siemens V94.2, W191, W251, W501D

HEAVY DUTY INDUSTRIAL COATING

- SermeTel® 725 coating system for gas turbine compressor rotor & stator
- SermeTel® 530 OS coating system for gas turbine compressor working on site
- SermeTel® 5380 DP coating system for gas turbine compressor rotor & stator
- Sermalon® coating system for centrifugal compressor

CERTIFICATION/APPROVAL

- Solar Turbine - Caterpillar - USA
- KAN (Komite Akreditasi Nasional) - Calibration Laboratory, Indonesia
- ISO 9001:2008 of DNV (Det Norske Veritas), Netherlands



PT NUSANTARA TURBIN DAN PROPULSI
INDUSTRIAL TURBINE SERVICES



Industrial Turbine Services



PT NUSANTARA TURBIN DAN PROPULSI
INDUSTRIAL TURBINE SERVICES

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TURBINE & ROTATING EQUIPMENT MAINTENANCE PROVIDER



Solar Turbines
A Caterpillar Company

UMC-Industrial Turbine Services Division (UMC NTP) is a well established, highly sophisticated, pioneering and leading company on Rotating Equipment repair and overhaul facility in Indonesia.

Founded in 1986 as a division of PT IPTN sustained investment, UMC developed into a well trained and dedicated work force serving customers from within Asia and the United States

Certification has been received from Air Worthiness Agencies such as DAAO of Indonesia, FAA-USA and EASA - EU in addition, UMC-NTP is an approved and authorized by the world's leading gas turbine engine and other rotating equipment.

NTP is organized to provide Total Quality Management (TQM) and complies with ISO 9001:2008.

The test cell complex includes two 6000 SHP dynamometer cells, a jet cell capable of testing engines up to 100,000 LB thrust, and a Solar Turbine test cell.

Also, NTP had experienced into manufacturing component and aircraft engines after reaching an agreement with the original engine manufacturer.

Our aim is to continually enhance our capabilities to meet the challenge of supporting customers on a world wide scale.



INDUSTRIAL CUSTOMERS

- OIL AND GAS SECTOR
- ELECTRIC POWER PLANT
- CHEMICAL & FERTILIZER
- AGRO INDUSTRY
- GENERAL INDUSTRIES



SPECIAL PROGRAM



HUMAN RESOURCES TRAINING

We, at NTP, consider our people as our most valuable assets. Therefore we intentionally establish our sophisticated facilities to fully support our efforts to enhance our people's skills and performance. We organize regular training programs that cover skill and knowledge improvements. These training programs are formally acknowledged by a number of the world's best rotating equipment manufacturers. We also grant scholarship programs called "The Industrial Apprentice Training". Successful candidates who passed the selection will undergo intensive learning, with all costs and expenses fully covered by NTP.

FIELD SERVICES

Rotating equipment constitutes the critical component in all industrial fields. NTP of which business focuses in the rotating equipment repair has formed a task force to perform the field service.

BASIC PROCESSES

- Engine Controls/Accessories Repair & Overhaul
- Engine/Module Stripping & Rebuilding
- Engine Testing
- Rotor Balancing

INSPECTION

- Bearing Analyzer
- Boroscope
- Coordinate Measuring Machine
- Eddy Current
- Electrical Runout
- Fluorescent Penetrant
- Magnetic Particle
- Over Speed Trip Device
- Radiography
- Visual & Precise Dimension

HEAT TREATMENT

- Hydrogen Furnace
- Local Age
- Vacuum Furnace



SURFACE TREATMENT

- Painting
- Wire Spray (Sprababbit, sprabronze, stainless steel)
- Thermo Spray (Ni Graphite, Ni Al)
- Plasma Spray (chromium carbide, tungsten carbide, cobalt, polyester)
- Electro Plating (copper, nickel, hard chrome, silver, tin, cadmium, black oxide)
- Selectron Plating
- Shot Peening

MACHINING

- Boring
- Electrical Discharge Machine
- Grinding
- Lathe
- Milling

CLEANING

- Chemical
- Mechanical
- Ultrasonic

WELDING

- Brazing
- Dabber
- MIG
- TIG

