



**PT NUSANTARA TURBIN DAN PROPULSI
AERO ENGINE SERVICES**

**Trusted Partner in Aero Engine Services
(Maintenance, Repair & Overhaul)**

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www.umcntp.co.id

GAS TURBINE ENGINE	ENGINE OVERHAUL	PART REPAIR	ACCESORIES
Pratt & Whitney JT8D Standard Series	★	★	★
Rolls Royce Tay 650-15	★	★	★
Rolls Royce Dart 7 Series	★	★	★
Honeywell - Aero Space TPE 331 Series	★	★	★
Rolls Royce Model 250 Series	★	★	★
General Electric CT7 Series	★	★	★
Pratt & Whitney PT6A Series	★	★	★
Pratt & Whitney PT6T-3/3B Series	★	★	★
Pratt & Whitney PW100 Series	★	★	★
Hot Section Inspection (HSI)			

CERTIFICATION / APPROVALS / AGREEMENTS

AUTHORITIES

- DAAO (Directorate Airworthiness & Aircraft Operation) of Indonesia
- FAA (Federal Aviation Administration) of USA
- EASA (European Aviation Safety Agency) of Europe
- TNI-AU (Indonesian Air Force) of Indonesia
- CAA (Civil Aviation Authority) of Philippines
- CAA (Civil Aviation Authority) of Nepal
- CAA (Civil Aviation Authority) of Pakistan
- CAA (Civil Aviation Authority) of Sri Lanka
- DCA (Department of Civil Aviation) of Thailand
- BCAA (Brazilian Civil Aviation Authority) of Brazil

MANUFACTURERS

- Pratt & Whitney - United Technologies of USA
- Rolls Royce of England
- Honeywell-Aero Space of USA
- General Electric of USA

MANAGEMENT

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



ABOUT US

PT. Nusantara Turbin dan Propulsi (NTP) is a well established, highly sophisticated Gas Turbine Engine maintenance, repair and overhaul (MRO) facility situated adjacent to the Husein Sastranegara Airport, Bandung Indonesia.

Founded in 1986 as a UMC division of PT IPTN "Industri Pesawat Terbang Nusantara (Indonesian Aerospace, Inc.)" sustained investment, has enabled NTP to develop into a well equipped, well trained and dedicated workforce serving more than 60 different customers from within the South and Middle East Asia region, Australia and the United States.

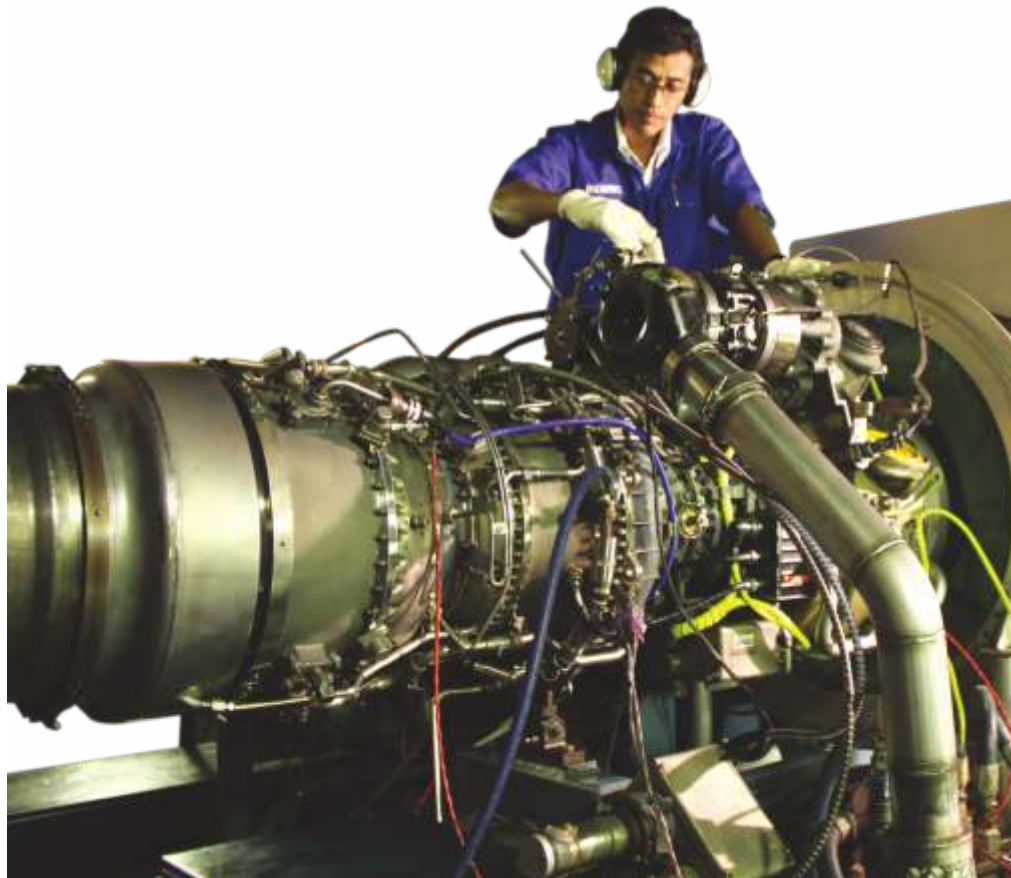
Certification has been received from Airworthiness Agencies such as DAAO of Indonesia, FAA-USA and EASA - EUROPE in addition, NTP is an approved and authorized by the world's leading gas turbine engine and other rotating equipments.

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

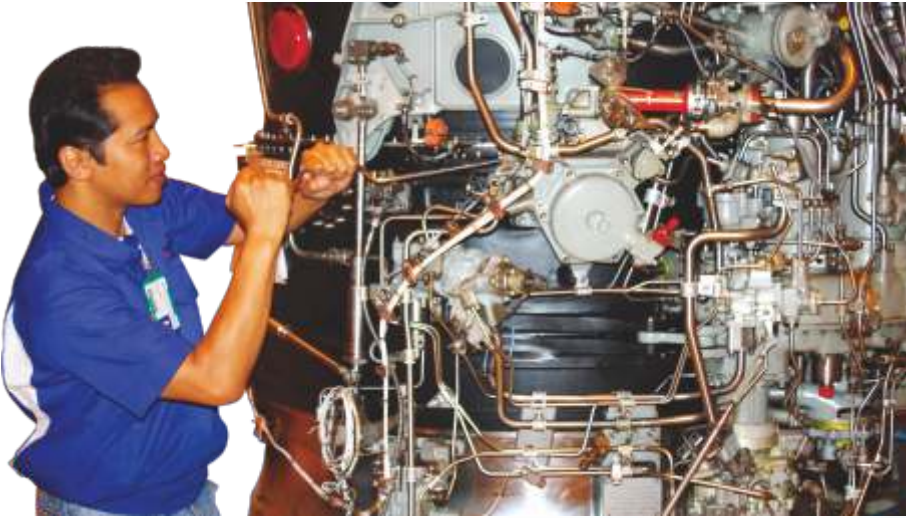
NTP specializes in all phases of maintenance, repair, overhaul and testing of various categories of aircraft engines. These activities range from Turbo Prop/ Shaft engine at 480 SHP to Turbo Jet/ Fan engines of 23,500 LB thrust.

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

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



BUSINESS ACTIVITIES



MAINTENANCE, REPAIR & OVERHAUL (MRO) AIRCRAFT ENGINES

- Turbo Prop, Turbo Shaft, Turbo Jet/ Fan
- Component Repair
- Accessories
- Line Maintenance

PRODUCTION ENGINE ASSEMBLY

- Engine Assembly
- Repair Facility

OTHER SERVICES

- Calibration
- Skilled Labor Supply
- Non Destructive Test (NDT)
- Training

HUMAN RESOURCES

To anticipate the global competition, NTP has qualified human resources, and continues to organize regular training program. The training covers skill improvement and knowledge enhancement of gas turbine engine, control and electricity, as well as maintenance management. These training programs are acknowledged by foremost gas turbine engine manufacturers around the world. The training is open for NTP employees, as well as for our customers.

SPARE PARTS SALES

As a place for complete services, NTP also sales thousands items of engines and accessories spare parts, include Pratt & Whitney JT8D Standard Series, Rolls Royce Tay 650-15, Rolls Royce Dart7 Series, Honeywell-Allied Signal TPE 331 Series, Rolls Royce M250 Series, General Electric CT7 Series, Pratt & Whitney PT6A Series, Pratt & Whitney PT6T-3/3B.

ENGINE LEASING

To support the customers need. NTP could provides engine leasing scheme, which consequently will help them to reduce their cost.

ON WING MAINTENANCE

To minimize the aircraft on the ground, NTP offer its mobile repair team, which is in charge of performing on wing maintenance at the customer site. The team consists of skilled operators and is ready for a 24-hour action.

DISTRIBUTORSHIP

Since 1999, NTP also became a distributor for aircraft engine parts. Rotating equipment parts and other supporting spare parts.

SUPPORT FACILITIES

MANUFACTURER

- Bendix Engine Control
- Bendix Avelex
- TRW I Argo Tech
- Sundstrand
- Chandler Evans (ceco)
- Garrett -Allied Signal
- Lucas Aerospace
- Woodward
- Unison

COMPONENT

- Fuel Control Unit Fuel Pump
- Fuel Nozzle / Injector / Burner
- Power Turbine Governor
- Propeller Governor
- Bleed Valve
- Lube Pump
- Oil Scavenge Pump
- Igniter

TEST STAND

- Fuel Control & Fuel Pump
- Fuel Nozzle
- Fuel Accessories
- Lube Pump Pneumatic
- Lube Accessories
- Electrical
- Water Methanol Control Unit
- Air Flow

ACCESSORIES

BASIC PROCESS

- Engine/Module Stripping & Rebuilding
- Rotor Balancing
- Engine Testing

ACCESSORIES

- Cleaning and Inspection
- Fuel System Test Bench
- Lubrication Test Bench
- Pneumatic Test Bench

CLEANING

- Chemical Cleaning
- Mechanical Cleaning
- Ultrasonic Cleaning

INSPECTION

- Visual & Precise Dimension Inspection
- Fluorescent Penetrant Inspection
- Magnetic Particle Inspection
- Radiographic Inspection
- Eddy Current Inspection
- Ultrasonic Inspection
- Coordinate Measuring Machine
- Electrical Run Out
- Bearing Analyzer

WELDING

- Tig Welding
- Spot Welding
- Dabber Welding

HEAT TREATMENT

- Vacuum Furnace
- Hydrogen Gas Atmosphere
- Local Age

SURFACE TREATMENT

- Shot Peening
- Plating
- Plasma Spray
- Thermo Spray
- Painting
- Selectron

LABORATORIES

- Metrology Standard & Calibration
- Physical & Metallurgy Examination
- Chemical Examination

MACHINING

- Conventional Machining
- Electric Discharging Machine
- CNC Lathe

MANAGEMENT INFORMATION SYSTEM

- IBM Integrated Server 3006
- Operating System OS/ 390
- Data Base Software DB/ DC
- Operating Language Cobol



