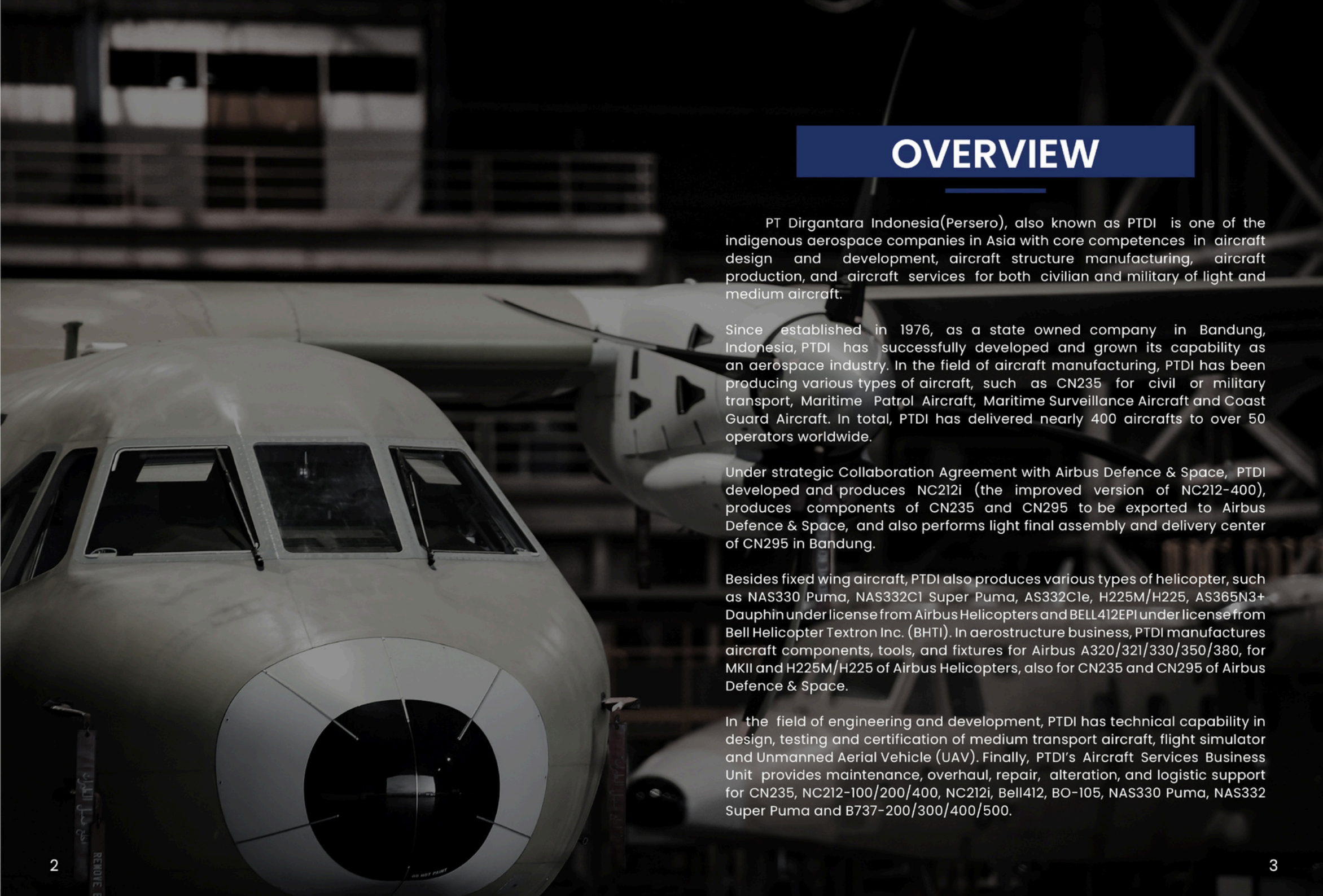


PT DIRGANTARA INDONESIA (PERSERO)
JL. Pajajaran No. 154 Bandung 40174, Indonesia
www.indonesian-aerospace.com

PT DIRGANTARA INDONESIA COMPANY PROFILE



OVERVIEW

PT Dirgantara Indonesia(Persero), also known as PTDI is one of the indigenous aerospace companies in Asia with core competences in aircraft design and development, aircraft structure manufacturing, aircraft production, and aircraft services for both civilian and military of light and medium aircraft.

Since established in 1976, as a state owned company in Bandung, Indonesia, PTDI has successfully developed and grown its capability as an aerospace industry. In the field of aircraft manufacturing, PTDI has been producing various types of aircraft, such as CN235 for civil or military transport, Maritime Patrol Aircraft, Maritime Surveillance Aircraft and Coast Guard Aircraft. In total, PTDI has delivered nearly 400 aircrafts to over 50 operators worldwide.

Under strategic Collaboration Agreement with Airbus Defence & Space, PTDI developed and produces NC212i (the improved version of NC212-400), produces components of CN235 and CN295 to be exported to Airbus Defence & Space, and also performs light final assembly and delivery center of CN295 in Bandung.

Besides fixed wing aircraft, PTDI also produces various types of helicopter, such as NAS330 Puma, NAS332C1 Super Puma, AS332C1e, H225M/H225, AS365N3+ Dauphin under license from Airbus Helicopters and BELL412EP1 under license from Bell Helicopter Textron Inc. (BHTI). In aerostructure business, PTDI manufactures aircraft components, tools, and fixtures for Airbus A320/321/330/350/380, for MKII and H225M/H225 of Airbus Helicopters, also for CN235 and CN295 of Airbus Defence & Space.

In the field of engineering and development, PTDI has technical capability in design, testing and certification of medium transport aircraft, flight simulator and Unmanned Aerial Vehicle (UAV). Finally, PTDI's Aircraft Services Business Unit provides maintenance, overhaul, repair, alteration, and logistic support for CN235, NC212-100/200/400, NC212i, Bell412, BO-105, NAS330 Puma, NAS332 Super Puma and B737-200/300/400/500.

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VISION

"LEAD THE MEDIUM & LIGHT TURBOPROP AIRCRAFT MARKET AND BECOME THE REFERENCE AEROSPACE COMPANY IN THE ASIA PACIFIC REGION BY OPTIMIZING BEST COMMERCIAL AND INDUSTRIAL COMPETENCES."

LINE OF BUSSINESS

AIRCRAFT

Produce medium & light turboprop aircraft to fulfill the needs of civil airlines, military operation and specific missions.



AIRCRAFT SERVICES

Provides customer support, training and Aircraft Maintenance Services for aircraft and helicopter.



AEROSTRUCTURES

Provides detail parts, component manufacturing and assembly based on aerospace industrial standard and norms.



TECHNOLOGY SERVICES

Provides technical capability in aerospace engineering, simulation technology, product development, system integration & defense system.



LOCATION

PTDI'S HEADQUARTER IS LOCATED IN BANDUNG, WHERE WE CONDUCTED ALL THE ENGINEERING AND PRODUCTION ACTIVITIES. BESIDES, WE ALSO HAVE PLANTS IN TASIKMALAYA AND BATU PORON, SURABAYA FOR THE PRODUCTION OF DEFENCE SYSTEM SUCH AS FFAR 2.75" ROCKET AND SUT TORPEDO RESPECTIVELY. WE ALSO HAVE A COMMERCIAL OFFICE IN JAKARTA.



PTDI also has three subsidiaries, which are PT Nusantara Turbine and Propulsion (PT NTP), PT General Electric Nusantara Turbine Services (GENTS) and PT IPTN North America (INA). Two of them are located in Bandung and one is located in Seattle, North America.

INDUSTRIAL COLLABORATION



Joint Development for NC212i; Industrial Agreement for CN295.



Global Supply Chain for MK II Super Puma Family (Fuselage & Tailboom); Commercial, Industrial & Services Agreement for various helicopters.



Framework Agreement for N219 marketing & production extensions; N245 development; UAV and Aerostructure Projects.



DIRGANTARA INDONESIA
INDONESIAN AEROSPACE (IAe)



Joint Development for KFX/IFX Fighter Aircraft.



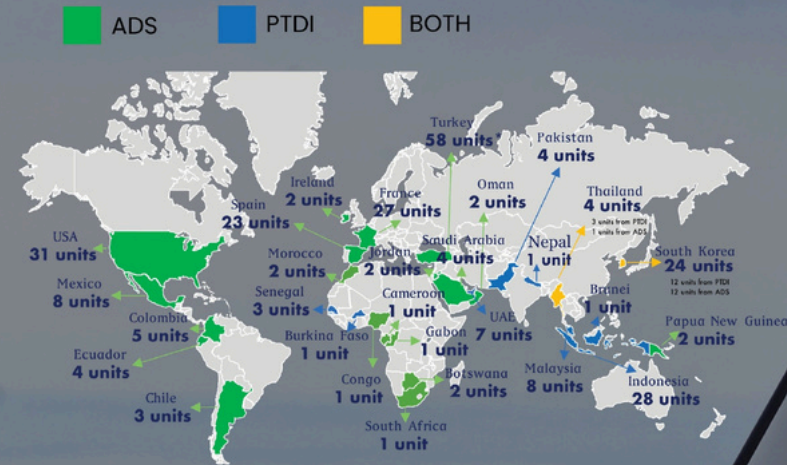
Joint Sales & Marketing; Customization; Production & Global Supply Chain BELL 412 EP & EPI component, as well as maintenance.



Aerospace Manufacturing Technologies; Aerospace Certifications; Support & Maintenance for Vertical Lift Products.

CN235-220

THE WELL-PROVEN CN235-220 IS THE LOWEST COST SOLUTION TO MEET THE NEEDS AND REQUIREMENTS OF VARIOUS GOVERNMENT AND NON-GOVERNMENT ORGANIZATIONS FOR THE LIGHT-MEDIUM CLASS OF AIRCRAFT. CN235-220 IS THE ONE AND ONLY AIRCRAFT EQUIPPED WITH RAMP DOOR IN ITS CLASS.



PASSENGER



VVIP/VIP



CARGO



18 STRETCHERS



49 TROOPS
34 PARATROOPS



MPA/MSA

WIDE REAR RAMP DOOR
FOR EASY LOADING &
UNLOADING

MULTI PURPOSE & QUICK
CHANGE CONFIGURATION

HIGH RELIABILITY & EASY
FOR MAINTENANCE

MULTI HOP CAPABILITY

SHORT TAKE OFF AND
LANDING OPERATIONS

FULL GLASS COCKPIT

NC212i

ADS PTDI

NC212I IS THE IMPROVED VERSION OF NC212 SERIES. PROVIDES HIGH PERFORMANCE AND VERSATILITY WITH PROVEN EXPERIENCE IN THE MOST VARIED ENVIRONMENT TO OPERATE IN EXTREMELY DEMANDING MISSIONS. NC212I IS THE ONE AND ONLY AIRCRAFT EQUIPPED WITH RAMP DOOR IN ITS CLASS.



PASSENGER TRANSPORT



VIP TRANSPORT



MEDICAL EVACUATION

NEW GENERATION AVIONIC SYSTEM THAT WILL ENHANCE FLIGHT SAFETY AND REDUCE CREW WORKLOAD

BIGGEST PAYLOAD IN ITS CLASS

LARGEST CABIN VOLUME 22 M3

SHORT TAKE OFF AND LANDING OPERATIONS

LARGEST SEAT CAPACITY 28 SEATS

THE ONLY AIRCRAFT EQUIPPED RAMP DOOR IN ITS CLASS



MSA



CARGO DROPPING



RAIN MAKING

NC219

N219 IS A COMMUTER AIRCRAFT FOR CASR 23 CATEGORY, WITH THE CAPACITY OF 19 PAX. DEVELOPED BY PTDI ALONGSIDE LAPAN SINCE 2014. N219 IS SUITABLE TO BE OPERATED IN REMOTE AND MOUNTAINOUS AREAS. THIS AIRCRAFT WILL INCREASE CONNECTIVITY AND ACCESSIBILITY BETWEEN MEDIUM TO SMALL CITIES, SMALL CITIES TO VILLAGES AS WELL AS INTER-ISLAND. N219 WILL BE CERTIFIED BY DGCA (INDONESIA) AND ALSO EASA (EUROPE), SUPPORTED BY AIRBUS GROUP.

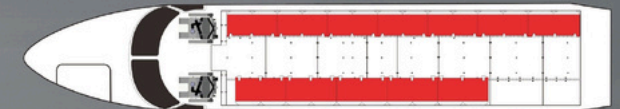
CONFIGURATION

PASSENGER TRANSPORT



PASSENGER : 19 PAX

TROOP/PARATROOP TRANSPORT



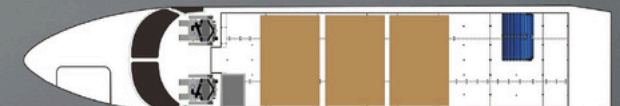
TROOP SEAT : 24 TROOPS

MEDICAL EVACUATION



9 STRETCHERS 7 TROOP SEATS

CARGO/LOGISTIC TRANSPORT



- 3 (three) D2 Containers, size : 1,473 mm x 1,066.8 mm x 1,143 mm
- 3 (three) Pallets, size : 1,534 mm x 1,346 mm

SHORT TAKE OFF AND LANDING (STOL) *500 M

HIGHEST PAYLOAD 2,313 KG

HIGHER CRUISE SPEED

AFFORDABLE AND COMPETITIVE PRICE

LOW SPEED MANUEVERABILITY

MULTI-HOP CAPABILITY AND QUICK CHANGE CONFIGURATION

HIGH LOCAL CONTENT

LOW OPERATION AND MAINTENANCE COST

HELICOPTERS

BESIDES FIXED WING AIRCRAFT, PTDI ALSO PRODUCES VARIOUS TYPES OF HELICOPTER, SUCH AS NAS330 PUMA, NAS332C1 SUPER PUMA, AS332C1E, H225/H225M, AS365N3+ DAUPHIN UNDER LICENSE FROM AIRBUS HELICOPTERS AND BELL412EPI UNDER LICENSE FROM BELL TEXTRON INC.



Under agreement with Airbus Helicopters and Bell Helicopter Textron, PTDI offers several helicopter products such as:

INDUSTRIAL COLLABORATION WITH AIRBUS HELICOPTERS

- H125 (Light Class Helicopters)
- H125M Fennec (Light Class Helicopters)
- H135 (Medium Class Helicopters)
- H145 (Medium Class Helicopters)
- AS365N3+ Dauphin (Medium Class Helicopters)
- AS565MBE Panther (Medium Class Helicopters)
- H225M Cougar (Heavy Class Helicopters)
- H225 (Heavy Class Helicopters)
- H215 (Heavy Class Helicopters)
- NAS332C1 Super Puma (Heavy Class Helicopters)

INDUSTRIAL COLLABORATION WITH BELL HELICOPTER TEXTRON INC.

- Bell 412 EPI (Medium Class Helicopters)

H225M



H215M



BELL412EP/EPI



AS365 N3+



AS565MBE



H125M



H135



AEROSTRUCTURES

PTDI PROVIDES DETAIL PARTS, COMPONENT MANUFACTURING AND ASSEMBLY BASED ON AEROSPACE INDUSTRIAL STANDARD AND NORMS WITH EXCELLENT FACILITIES SUCH AS MACHINING, SHEET METAL, SURFACE TREATMENT, ETC.

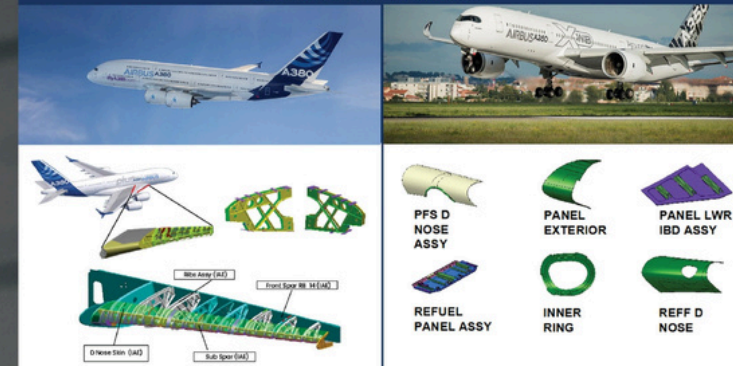
PTDI has more than 40 years of experiences in:

- Engineering work package for new product development, product testing and certification, reverse engineering development, etc
- Design and manufacture tools and jigs
- Detailed part manufacturing, metal forming/fabricated part, composite components, bonding components, etc
- Sub-assembly, major assembly, and final assembly

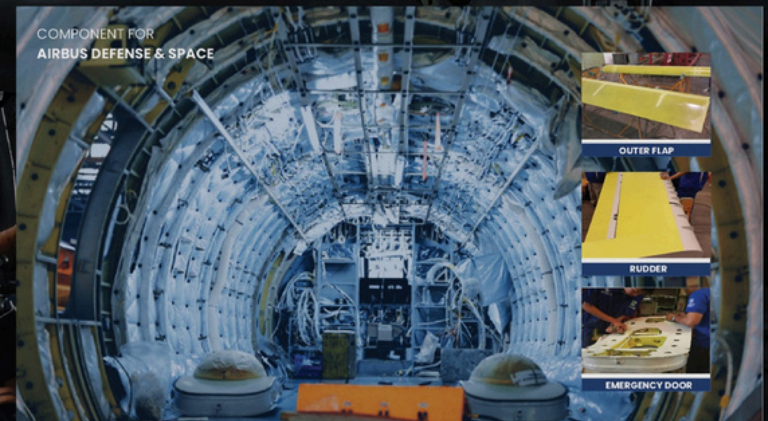
PTDI is a well-known, reliable sub-contractor for Airbus Defence & Space, Airbus Helicopter, Bell Helicopter Textron Inc. (BHTI), Spirit Aero System UK, and KAI.

- Final Assembly Line, Delivery Center, Aerostructure package (horizontal and vertical tail plane, rear fuselage), Customer support (Service Center and Computer Based Training) for CN295
- Manufactures aircraft components, tools, and fixtures for Airbus A320 / 321 / 330 / 350 / 380
- Delivery center, customization, and customer support for H125/H125M, H135/H135M, H145/H145M, H215, H225/H225M, AS332/AS532, AS365N3+ / AS565MBE
- Production and commercialization for Super Puma AS332 C/C1/L/L1
- Produce tail boom and fuselage for MKII Super Puma family (H225/H225M)
- Produce tail boom, door assy, door post, pylon and ducts for BELL 412 series and BELL Huey II

Our DNA in Airbus A380

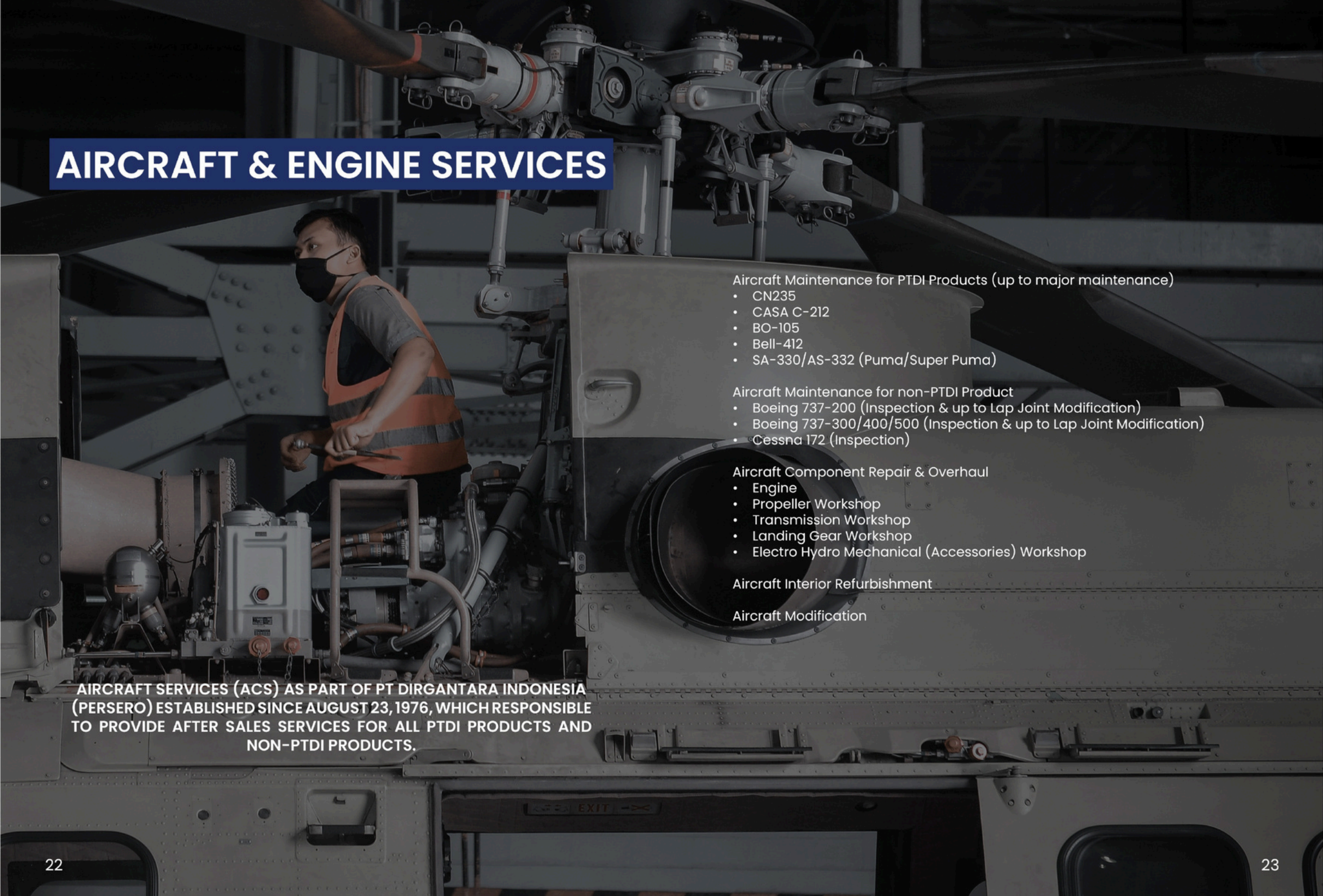


COMPONENT FOR AIRBUS DEFENSE & SPACE



COMPONENT FOR AIRBUS 320 - 321



A technician wearing a black face mask and an orange safety vest is working on the engine of a helicopter. The technician is positioned on the left side of the frame, looking towards the right. The helicopter's engine and various mechanical components are visible in the background. The overall scene is dimly lit, with the technician's vest providing a point of contrast.

AIRCRAFT & ENGINE SERVICES

Aircraft Maintenance for PTDI Products (up to major maintenance)

- CN235
- CASA C-212
- BO-105
- Bell-412
- SA-330/AS-332 (Puma/Super Puma)

Aircraft Maintenance for non-PTDI Product

- Boeing 737-200 (Inspection & up to Lap Joint Modification)
- Boeing 737-300/400/500 (Inspection & up to Lap Joint Modification)
- Cessna 172 (Inspection)

Aircraft Component Repair & Overhaul

- Engine
- Propeller Workshop
- Transmission Workshop
- Landing Gear Workshop
- Electro Hydro Mechanical (Accessories) Workshop

Aircraft Interior Refurbishment

Aircraft Modification

AIRCRAFT SERVICES (ACS) AS PART OF PT DIRGANTARA INDONESIA (PERSERO) ESTABLISHED SINCE AUGUST 23, 1976, WHICH RESPONSIBLE TO PROVIDE AFTER SALES SERVICES FOR ALL PTDI PRODUCTS AND NON-PTDI PRODUCTS.

ENGINEERING SERVICES & WEAPON SYSTEM

PTDI PROVIDES TECHNICAL CAPABILITY IN AEROSPACE ENGINEERING, SIMULATION TECHNOLOGY, PRODUCT DEVELOPMENT, SYSTEM INTEGRATION AND DEFENSE SYSTEM.

PTDI has vast technical capability in the field of aerospace engineering, simulation technology, product development, system integration, defence and safety maintenance system, air transportation, etc.

Supported by experienced specialists and skilled technicians with international standards, PTDI is able to answer the challenges in the field of aviation and non-aviation engineering in the following areas:

- Mission System Integrator
- Simulator technology
- Design and manufacture the derivative products of aircraft: rocket, missiles, Unmanned Aerial Vehicle (UAV), and torpedoes
- Airport design
- Software development
- Consultant of information technology
- Communication technology

ENGINEERING SYSTEM



UAV WULUNG



PUNA/PTTA MALE COMBATAN



KF-X/IF-X



N245



N219 AMPHIBIOUS



CN235-220 GUNSHIP

WEAPON SYSTEM



ROCKET FFAR 70 MM (2,75")



TORPEDO SUIT
REFURBISHMENT & SPAREPART



WARHEAD ROCKET 70 MM