



WHO WE ARE

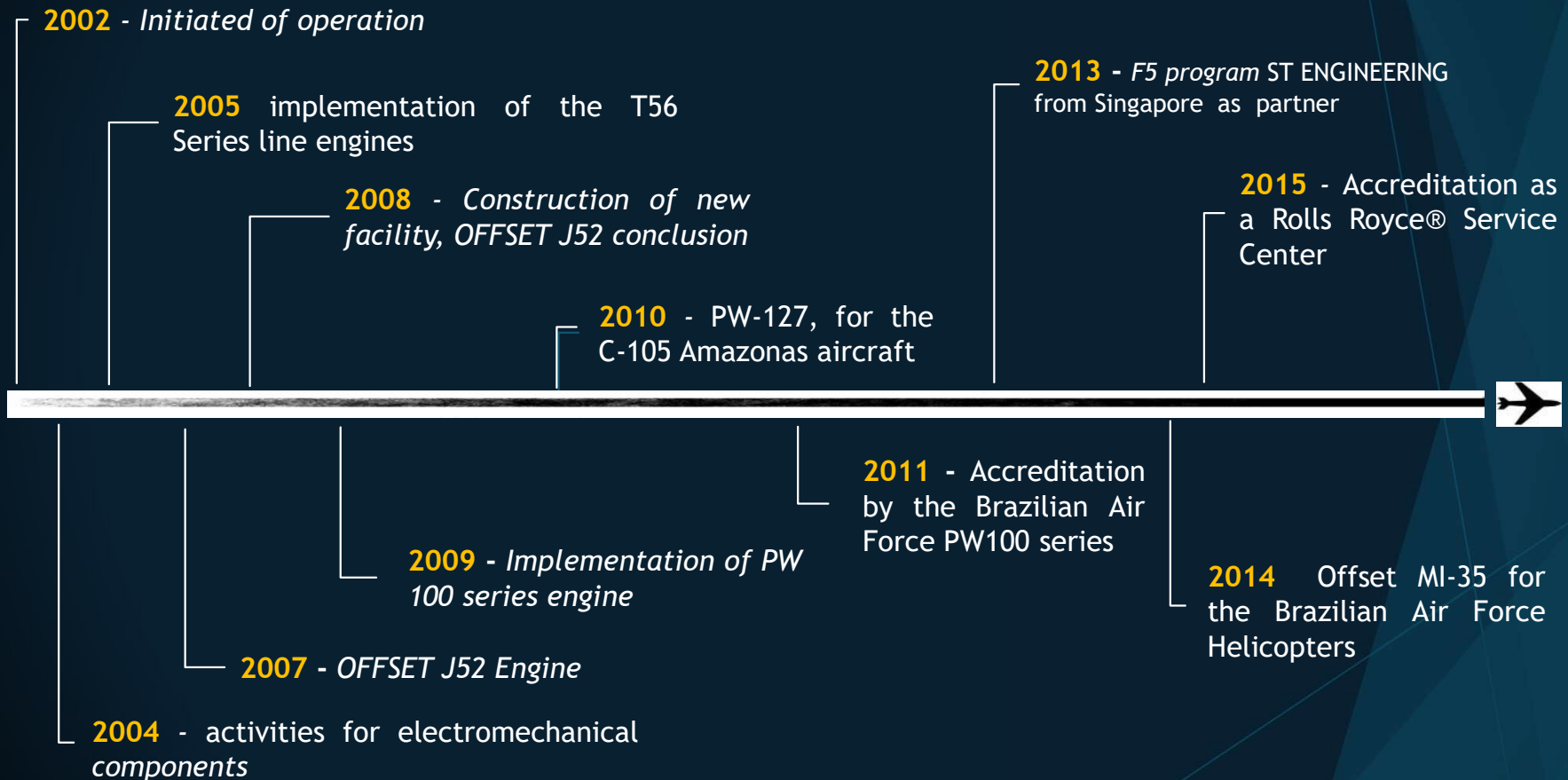


The IAS - Indústria de Aviação e Serviços

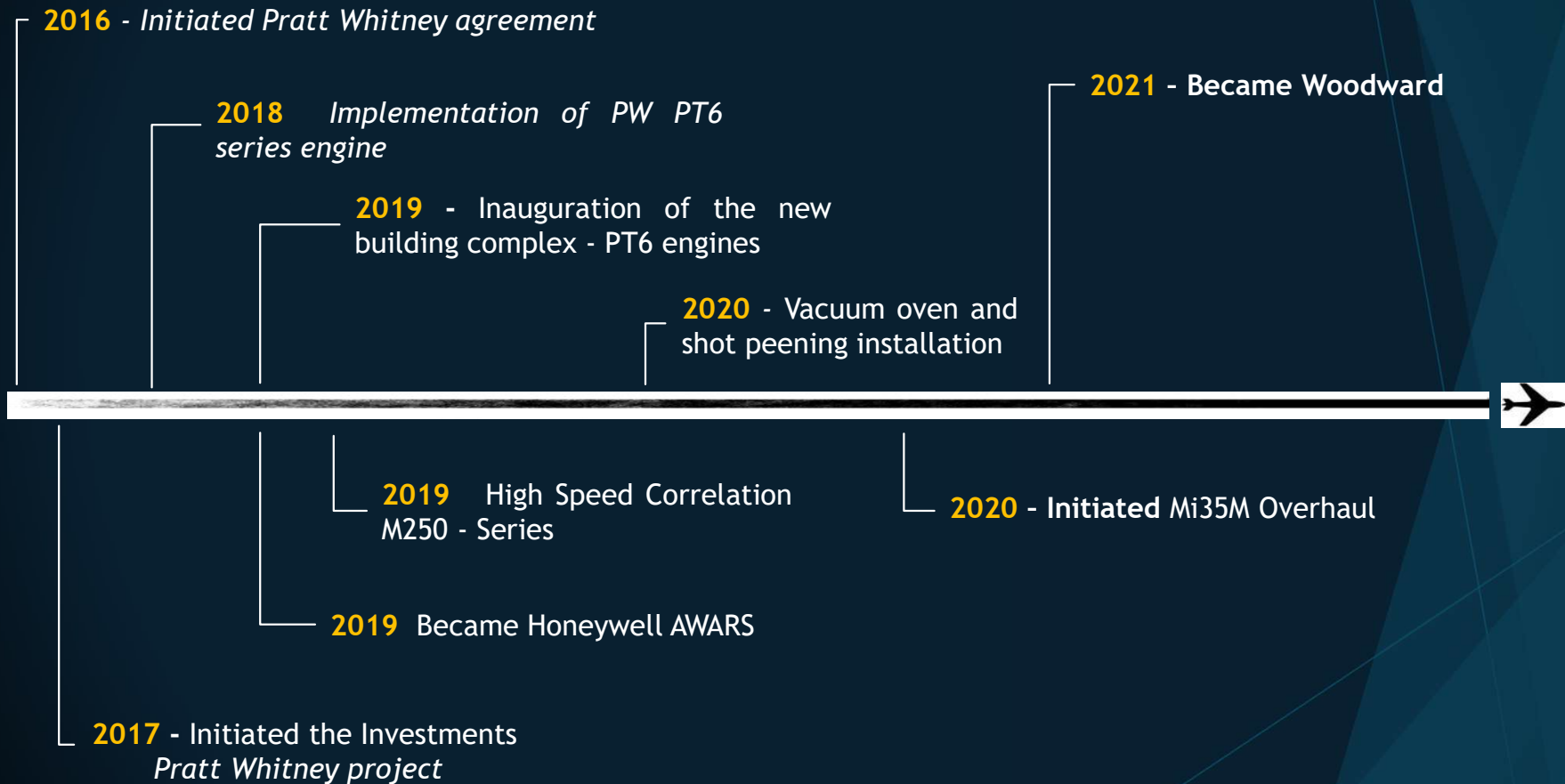
an authorized
Rolls-Royce
maintenance, repair
& overhaul center

IAS is a strategic defense company, guided by a relationship between the needs of the market and the capacity to nationalize the maintenance of turbomachines and their accessories, electromechanical components and structures.

History



History



Agreements



Rolls-Royce

Amroc - Authorized Maintenance Repair and Overhaul Center



Pratt & Whitney

Technical support agreement (TSA) for PW118 and PW127G engines



Pratt & Whitney

Cooperation agreement for (PT6-All Series and PW200-Series)



Service center for VK-2500 engines and VR-24 gearbox.

Honeywell

AWARS - Authorized Warranty and Repair Station.



WOODWARD

Authorized Repair Station.

CERTIFICATES



IAS LOCATION

Well located, near to the Linha Verde, it's just a few minutes from the Belo Horizonte International Airport in Confins and also from the central region.

	IAS
SBBH	25km
PAMA-LS	19km
SBCF	13km





PRODUCTS AND SERVICES

The IAS structure

State-of-the-art facility equipped and approved by the main companies and civil and government institutions in the segment.

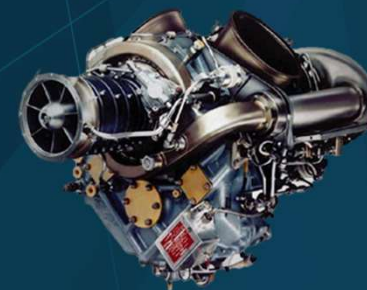
Large and modern facilities allow IAS to carry out activities with the highest standards of quality and safety.

In addition, IAS has a wide expansion area already prepared and with environmental licensing.

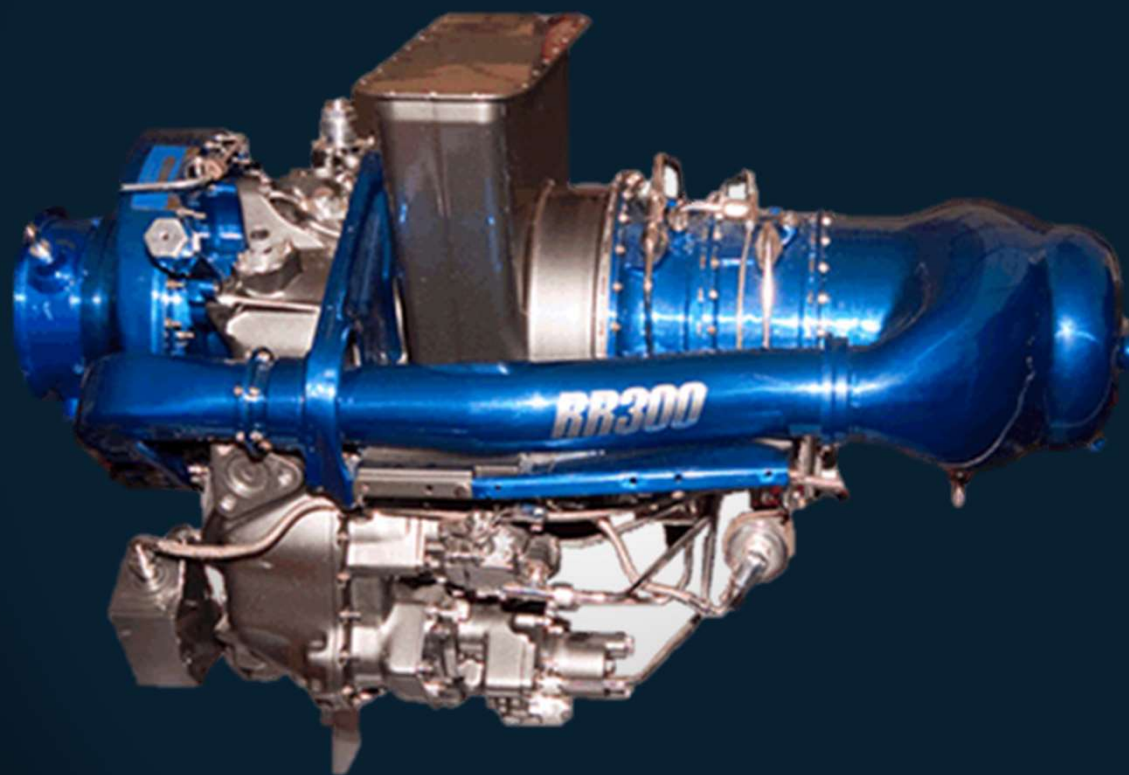


Engine Model 250

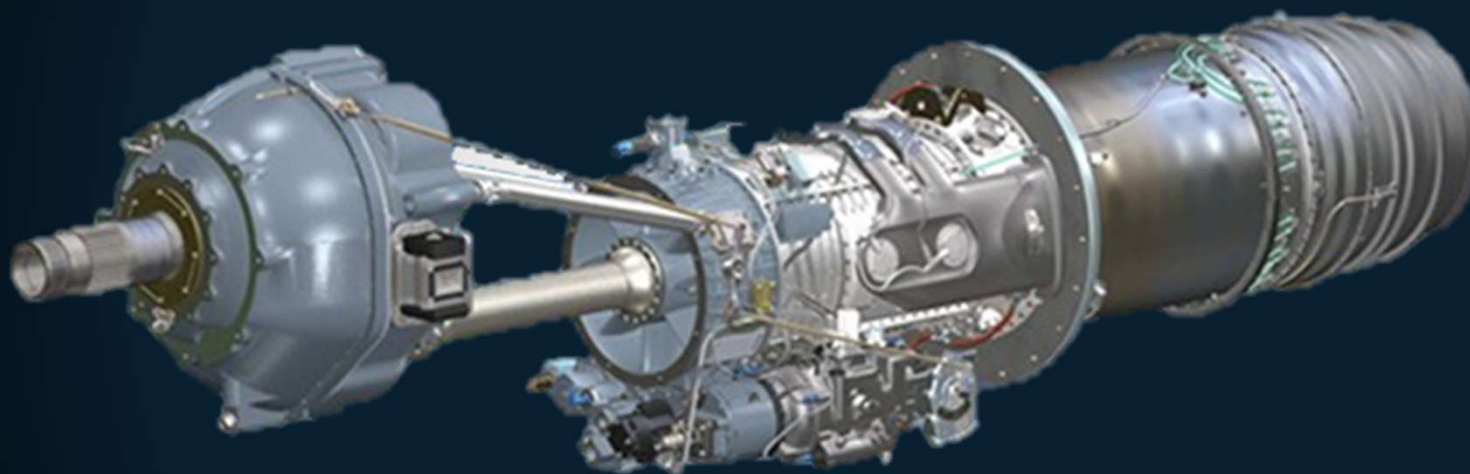
- Engine M250-C20
- Engine M250-C20
- Engine M250-C20B
- Engine M250-C20F
- Engine M250-C20J
- Engine M250-C20R
- Engine M250-C20R/1
- Engine M250-C20R/2
- Engine M250-C20R/4
- Engine M250-C20W
- Engine M250-C30
- Engine M250-C30G
- Engine M250-C30G2
- Engine M250-C30M
- Engine M250-C30P
- Engine M250-C30S
- Engine M250-C40B
- Engine M250-C47B
- Engine M250-C47B/8
- Engine M250-C47M



Engine RR300



Engine T56-15 Engine T56-14



Engine PW-127G Engine PW-118



Electro-mechanical components

► FUEL

- FCU
- HMU
- Fuel nozzles
- Pumps

► ELETRICAL

- Generator
- Voltage regulator
- Ignition box
- Wiring

► HYDRAULIC

- Landing gear
- Pumps
- Actuators
- Valves

► PNEUMÁTICO

- ACM
- Heat exchanger
- Actuators
- Valves

Research and Development



- ▶ One of the competitive advantages of IAS is its development team, able to project and develop special tools, test benches and engine testing benches within the specifications of any equipment, with approval from the manufacturer.
- ▶ IAS has the capacity to upgrade and modernize equipment, incorporating the most recent technologies for the acquisition of data, automation and control.



Part's and Components

- ▶ A consolidated supplier network, together with an efficient logistics process, enable IAS to supply aeronautical material with differentiated cost and deadlines.

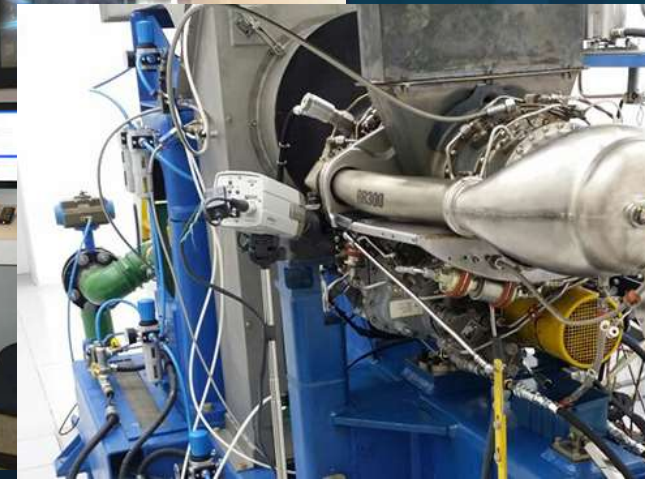




Technologies

Test cell

- ▶ The IAS development team projected and built modern test benches covering its wide range of services in the general refurbishing and repairs of aircraft engines.
- ▶ On the test bench, the engine is prepared for situations that simulate flight and operational conditions. Pressure, vibration, temperature, thrust and fuel consumption, among many others parameters.



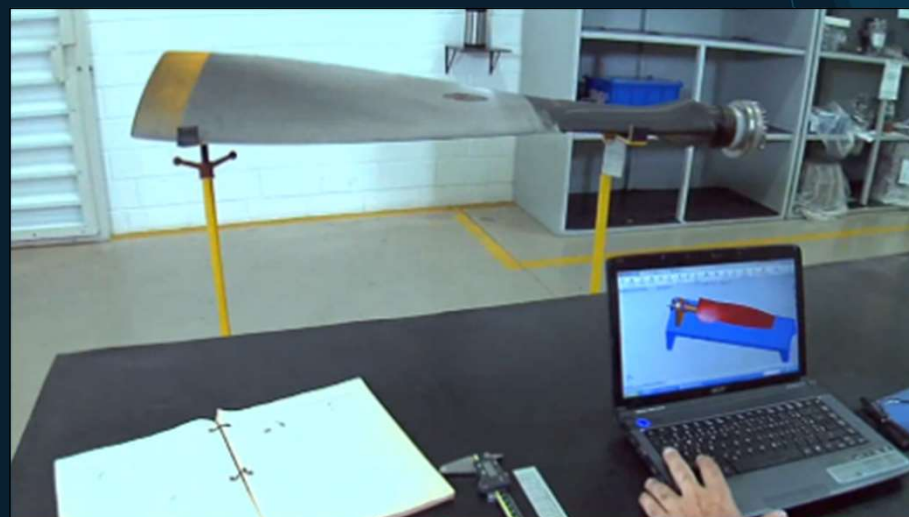
Test bench

- ▶ The IAS component test workshop has modern projected benches, developed and built by their own Development Team. This means that, after a repair or refurbishing the components are tested according to the manufacturers' demands with the highest degree of reliability.



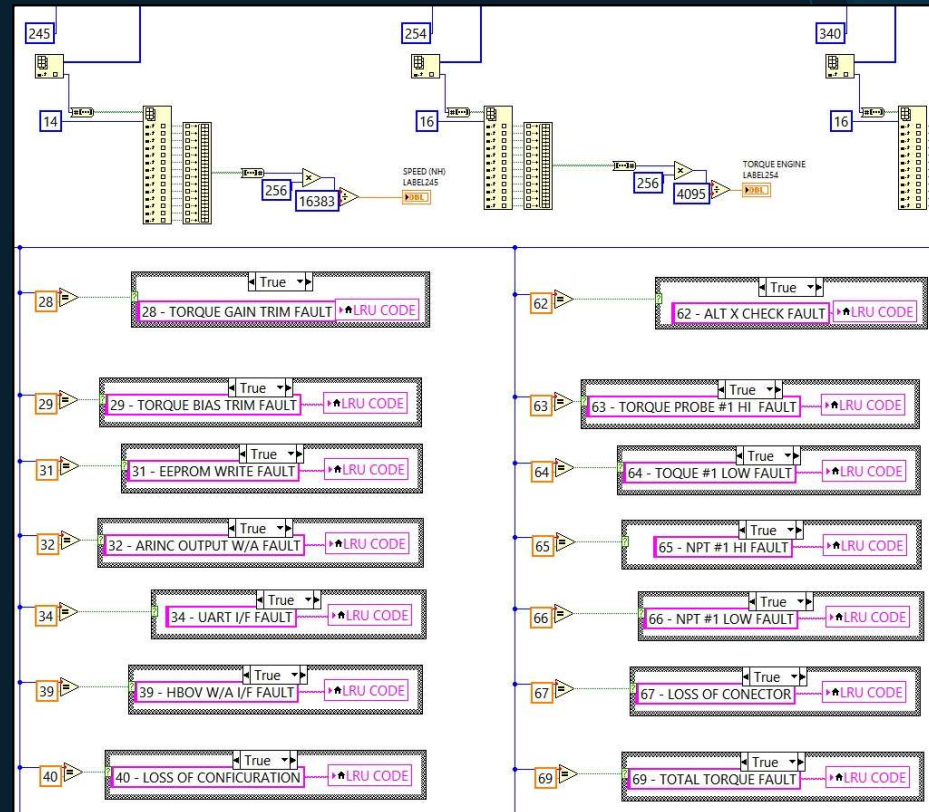
Especial Tools

- ▶ IAS has capacity and experience in developing special tools and devices for a wide range of applications in aeronautical maintenance. It also has the capacity to carry out projects and manufacturing according to specifications, always according to the OEM.



Softwares

- ▶ All of software for management and acquisition of data used by IAS in its trials and test benches were developed by its Development Team. This means that, since IAS has the source codes, modifications and adaptations can be done with speed.





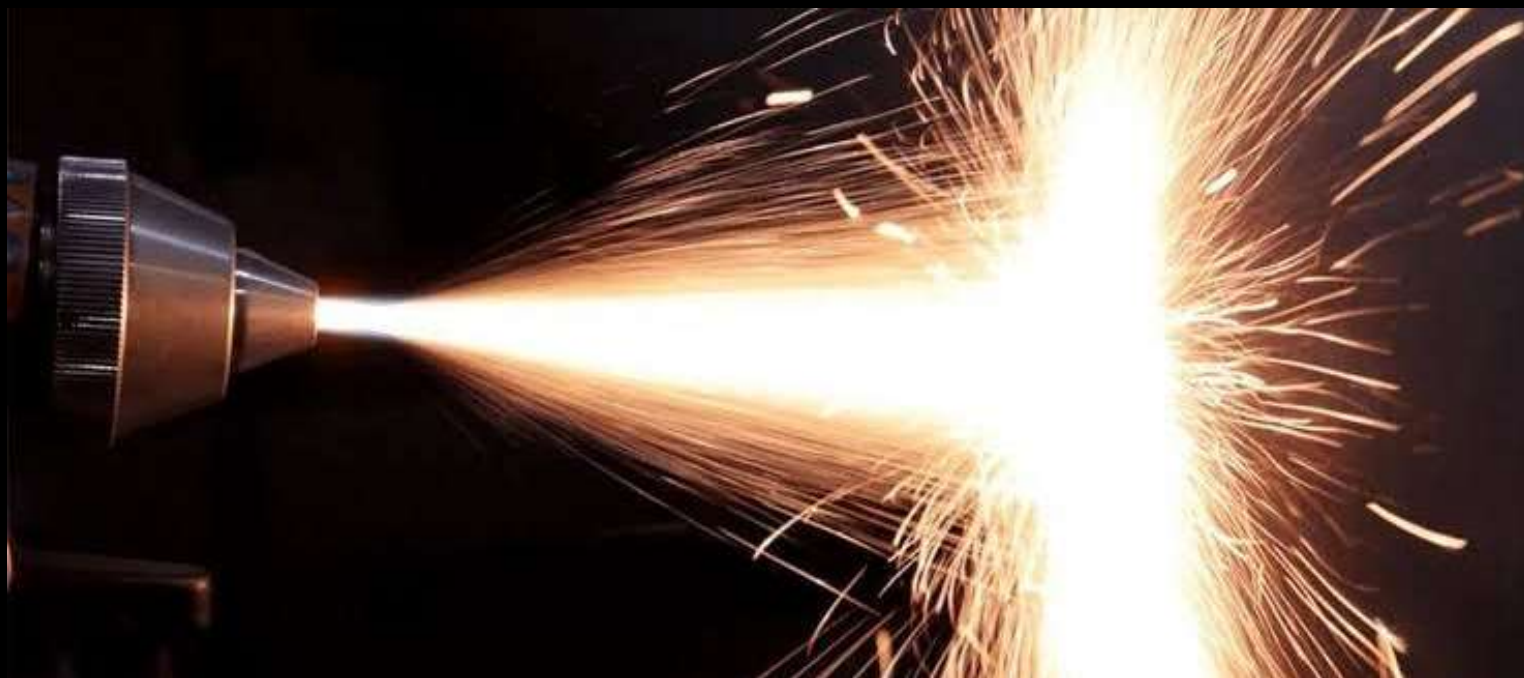
Structure

Brazing process & Heat Treatment



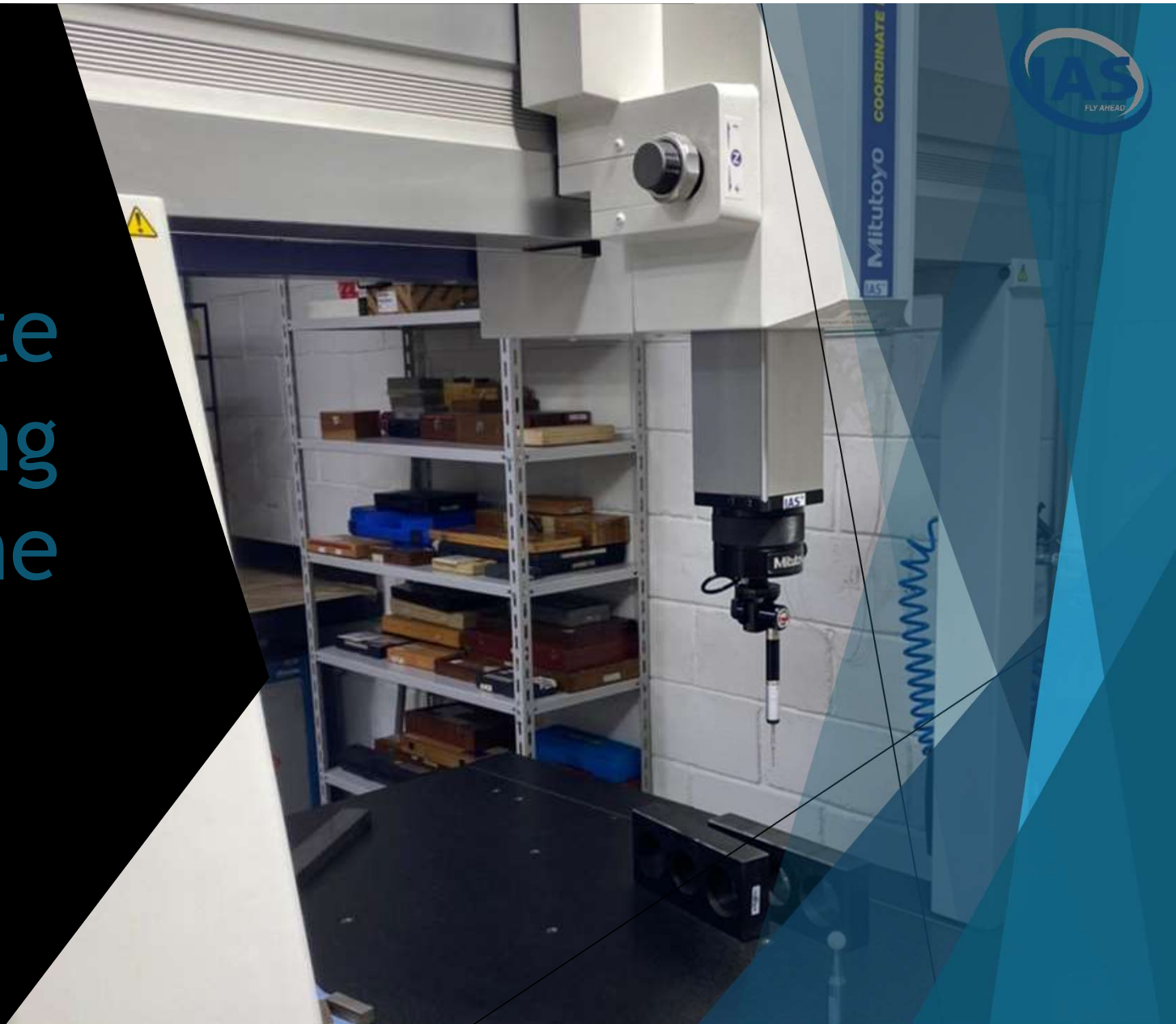


Automated Shot Peening process

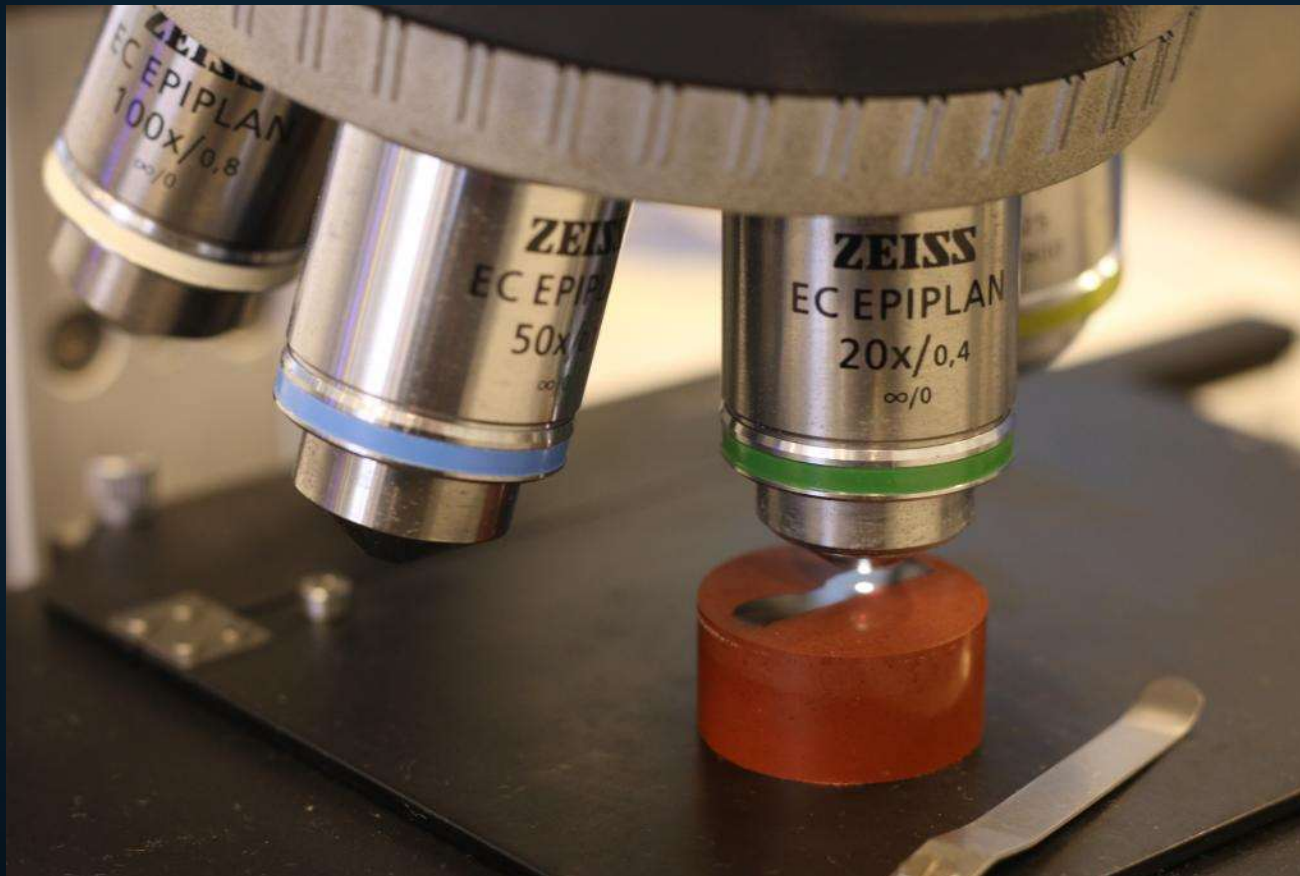


Thermal Spray Metalizing

Coordinate Measuring Machine



Metallography



Among other processes

- Heat treatment
- CNC Micro Machining
- CNC Lathe
- CNC Milling Cutter
- Air Bank
- Vanes Adjustment
- Manual Repairs
- Expansion of the Dimensional Inspection Sector
- Composite Material Workshop
- Special Welds
- Rectify
- Lathe
- Milling
- Blasting
- IVD - Ionized Vapor Deposition. Replaces electroplating process with cadmium.
- Tip welding
- Welding stitching
- Sheet metal workshop
- Gear Workshop
- Electrical and electronic

Electroplating



Helicopter Gearbox Testing



Klimov and Rolls Royce M250/300 engines test





THANKS