SAFRAN IN INDIA

2017

SAFRAN IS AN INTERNATIONAL HIGH-TECHNOLOGY GROUP AND TIER-1 SUPPLIER OF SYSTEMS AND EQUIPMENT IN THE AEROSPACE AND DEFENSE MARKETS. OPERATING WORLDWIDE, THE GROUP HAS NEARLY 58,000 EMPLOYEES AND GENERATED SALES OF 15.8 BILLION EUROS IN 2016.

Safran is powering and/or equipping more than 70% of airplanes and helicopters flying in India

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Safran has a long-standing presence in India for over 60 years in core markets of aerospace and defense. The workforce of 600 employees in the country, spread across 6 different companies and 1 training centre, shares one ambition. They undertake an assortment of activities from design, production and services for our core businesses of aerospace and defense, thereby building Safran's leadership in India and fostering the development of partnerships with a wide array of customers.

AEROSPACE

Safran is a full-fledged partner in the development of the Indian air transport sector, mainly as a supplier of engines, equipment and support services for both airplanes and helicopters.

Key facts:

- Safran provides engines and/or equipment for more than 70% of India's airplanes and helicopters.
- Safran-HAL, a joint venture with Hindustan Aeronautics Limited (HAL) in Bengaluru produces manufacturing unit of CFM56© and LEAP© components for CFM International.
- The CFM International Training Center in Hyderabad can provide training to more than 500 CFM56© maintenance technicians and engineers per year.
- More than 1,000 Safran turbine engines are now in service in India.
- Safran Helicopter Engines provides engine solutions to all HAL's new generation rotorcrafts. In 2016 Safran Helicopter Engines and HAL created a joint venture in Goa, HE-MRO, to support helicopter turbine engines in India and across the region.

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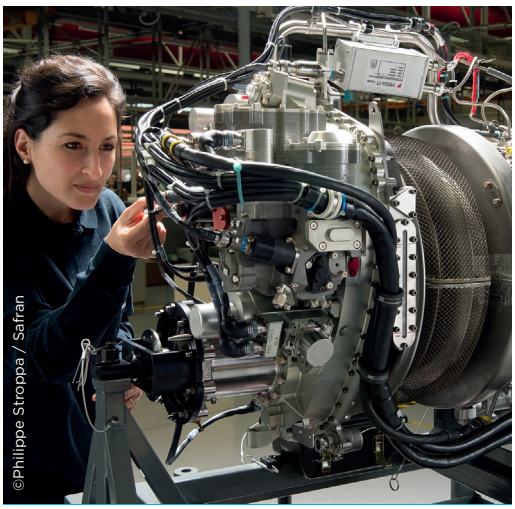
1,000+
helicopter turbine engines in service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DEFENSE

Safran has been a supplier to the Indian armed forces since the 1950s, providing engines and equipment for most of the country's military airplanes and helicopters.

Key facts:

- As a major contributor to the 36 Rafale fighters acquired by India in 2016, Safran provides a wide variety of systems and equipment including the aircraft's M88 engines, power transmission system, landing gear, wheels and carbon brakes, ring laser gyro inertial navigation system, gyros for the fly-by-wire system, the auxiliary power unit (APU) and all wiring.
- Safran is prime contractor for the AASM Hammer modular air-to-ground weapon.
- Safran Helicopter Engines is the leading supplier of turbine engines for helicopters deployed by the Indian armed forces.
- Safran provides a wide range of avionics (inertial navigation units, flight controls and autopilots) and optronics (electro-optical systems) for many different Indian combat platforms.
- Safran Electronics & Defense has a technology transfer agreement with HAL for the production and maintenance of the Sigma 95 laser gyro navigation systems used on most Indian Air Force fighters (Su-30, Hawk, Jaguar, LCA).
- More than 800 navigation systems deployed in the country.
- Safran Electronics & Defense has a technology transfer agreement with HAL for the automated flight control systems used on HAL helicopters.

SUPPORTING RESEARCH

To foster the development of increasingly innovative technologies and solutions, Safran has established partnerships with top-tier Indian scientific research and educational institutes.

Key facts:

- Safran partners the Indian Institute of Technology (IIT) in Delhi and the Indian Institute of Science (IISc) in Bengaluru. The collaboration with IIT and with the IISc is focused on the subjects of "internet of things" and "processors and parallel processing".
- Along the same lines, Safran is studying a project to set up an aerospace campus in India, in conjunction with local aviation and space companies.

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