

# SAFRAN USA

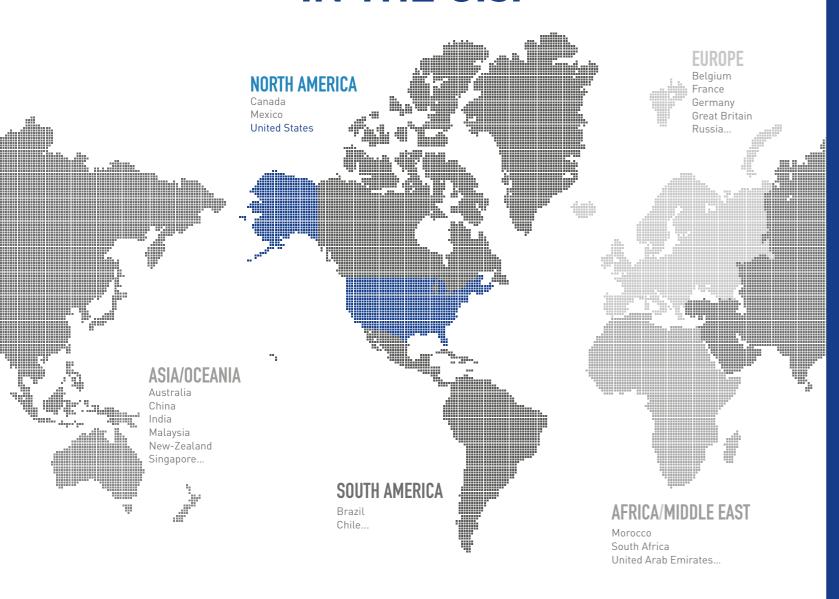








# GLOBAL FOOTPRINT & STRONG PRESENCE IN THE U.S.



## **EDITORIAL**

## by Bruno COTTÉ

Executive Vice President
European and International relations

Safran has been operating in United States for more than 40 years, becoming a supplier of choice in aerospace, defense and security. Over the years, we have established a strong relationship with a broad range of customers, including federal, state and local governments, the Department of Defense and airlines. Safran has built a solid presence in the United States through acquisitions, joint ventures and the construction of major new production facilities. For our customers, this local presence guarantees efficiency and responsiveness.

For the country, our presence underpins the creation of high-value jobs and investments in cutting-edge technologies. For local communities, it provides real growth opportunities and fosters an intercultural dialogue.

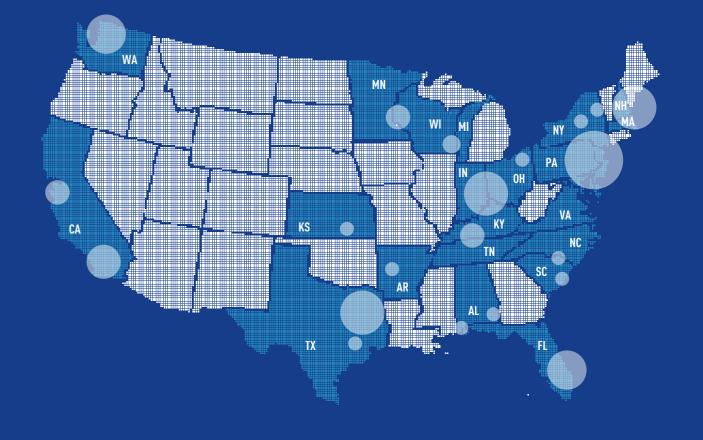
In 2014, we expanded our footprint by adding four new sites and 500 employees and we have restructured some of our companies in order to be more competitive. We will continue this expansion in the coming years to strengthen our presence in the United States, a strategy that is guided by our core values of innovation, integrity and teamwork, for the benefit of all stakeholders.

#### SAFRAN COMPANIES IN UNITED STATES

- Aircelle (Aircelle Services America)
- Labinal Power Systems (Aerosource, Safran Engineering Services, Technofan)
- Messier-Bugatti-Dowty (MBD Repair)
- Morpho USA (MorphoTrak, Morpho Detection, MorphoTrust, Morpho Cards)
- Safran Aerospace Composites
- Safran USA
- Sagem (Sagem Avionics, Vectronix, Optics 1)
- Snecma (SMA)
- Techspace Aero (Advanced Components International, Cenco Inc.)
- Turbomeca USA (Microturbo), Turbomeca Manufacturing

#### Joint ventures

- A-Pro
- CFAN
- CFM International
- CFM Materials
- FADEC International
- Nexcelle
- Propulsion Technologies International



Learn more about Safran in North America on www.safran-usa.com



- CFM International, a 50/50 joint venture between Snecma (Safran) and GE, produces the CFM56 jet engines that power many aircraft, including the Boeing 737. More thar 27,300 CFM56 engines have been delivered to date.
- Safran makes turboshaft engines for military helicopters, including the U.S. Army's UH-72A Lakota.
- The CTX 9800 DSi is the first TSA-certified high-throughput, high-resolution 3D explosive detection system (EDS) available on the market. CTX 9800 units have been delivered to airports across the country to support the TSA's checked baggage screening program.



# A TRUSTED PARTNER

Safran has operated in the United States for more than four decades, developing technologies and products that save lives, enhance national security, and improve performance. Our U.S. customer base includes the federal, state and local governments, all branches of the armed forces, airlines and many other companies. Safran has established long-standing, successful and growing relationships in the U.S. market, and has become a supplier of choice in the key sectors of aerospace, defense and security. With nearly 7,000 employees working at 30 companies in the U.S. (including 1,200 at joint ventures), covering a total of 58 locations in 22 states. Safran brings world-class technologies to

its U.S. partners.

#### **AEROSPACE**

Safran is a key supplier to the U.S aerospace industry, providing both propulsion systems and aircraft equipment. Our leading aerospace companies include Labinal Power Systems, Messier-Bugatti-Dowty, Sagem, Snecma, Aircelle and Turbomeca.

Safran's expertise encompasses a broad range of aircraft systems and equipment, including turbine engines, landing systems, advanced electrical wiring solutions, flight controls, engine nacelles, thrust reversers and power transmissions, as well as jet engines for missiles and target drones. These systems often draw on Safran's world-class expertise in composite materials. Safran also provides cost-effective maintenance, repair and overhaul (MRO) services for a wide range of aircraft, tailored to the quality, cost, and turnaround requirements of a highly competitive market.

In 2011, Boeing selected the LEAP-1B as the single source engine for its new 737 MAX family. The LEAP, manufactured by CFM International\* is designed to bring major improvments in fuel efficiency, emissions and noise, while maintaining the reliability and low cost of its predecessor, the CFM56 engine.

EVERY SECONDS,
AN AIRCRAFT POWERED BY
CFM INTERNATIONAL\* TAKES OFF
SOMEWHERE IN THE WORLD.

40 STATES
USE DRIVER LICENSE
ISSUANCE SOLUTIONS
MADE BY SAFRAN.

THE U.S. MARKET GENERATES
OF THE GLOBAL
SAFRAN REVENUE.

100% OF THE WIRING ON BOEING'S 787 DREAMLINER IS SUPPLIED BY LABINAL POWER SYSTEMS.

\*A 50/50 joint venture between Snecma (Safran) and GE

#### **DEFENSE**

Safran provides a wide range of advanced technology products for American armed forces

Safran's systems and equipment for military airplanes and helicopters include: helicopter turboshaft engines from Turbomeca; landing gears, wheels and carbon brakes from Messier-Bugatti-Dowty; electrical wiring interconnection systems for aircraft through Labinal Power Systems; and avionics by Sagem, ranging from autopilots and flight controls to inertial navigation and data management systems. The Group supplies advanced portable observation, detection, geolocation and targeting solutions for defense and security.

#### **SECURITY**

Safran has considerably expanded its security business in the United States over the past few year. Through our U.S. companies, we now offer a wide range of cutting-edge products and services to meet local, state and national requirements for identification and detection.

Morpho's multibiometric technologies for fingerprint, iris and facial recognition meet a wide range of security needs for individuals, companies and governments. The company supplies identity solutions designed to make our lives safer and easier, in particular secure biometric documents such as driver licenses and passports. Morpho is also a leading supplier of detection systems for explosives, narcotics and chemical, radiological and nuclear (CRN) threats.



# MORE THAN 40 YEARS of EXPERIENCE IN THE U.S.

1974 Creation of CFM International, a 50/50 joint venture between Snecma (Safran) and GE.

1980 Creation of Turbomeca Engine Corporation, USA.

1991 Creation of CFAN, a joint venture between Snecma (Safran) and GE Aircraft Engines.

• Acquisition of Cenco from Pratt & Whitney.
• Acquisition of Boeing's electrical wiring business, Corinth Inc., renamed Labinal Corinth, Inc.

• Creation of Nexcelle, a joint venture between Aircelle (Safran) and Middle River Aircraft Systems (GE) for nacelles.

• Safran and GE renew their CFM International partnership until 2040.

Acquisition of Motorola's Printrak business, renamed MorphoTrak.
Acquisition of GE Homeland Protection, renamed Morpho Detection.
Acquisition of Optics 1.







• Creation of CFM Materials, a 50/50 joint venture between Safran and GE.

 Acquisition of Harvard Custom Manufacturing, renamed Labinal, Salisbury.

2011 Acquisition of L-1 Identity Solutions, renamed MorphoTrust.

 $2013\,$  Concluded the acquisition of Goodrich Electrical Power Systems (GEPS), renamed Safran Power.

• Creation of Labinal Power Systems, which brings together all of Safran's electrical power system businesses for the aviation market.

- Opening of a highly-advanced composites facility in Rochester,
   New Hampshire to manufacture 3D woven composites for the LEAP engine.
- Extension of partnership between Microturbo (Safran) and Pratt & Whitney AeroPower for business and regional jet APUs.
- Acquisition of the APS2 [800] and APS500 [D] programs, and creation of Microturbo APU LLC.



Through both organic growth and acquisitions, Safran has established a strong presence in the United States. Safran continues to expand its position in the country by building new production units, creating joint ventures and subsidiaries, and making targeted acquisitions.

#### STRONG LOCAL PARTNERSHIPS

Safran has developed strong local partnerships with key primes. More than four decades ago, Safran and GE partnered to produce the CFM56 engine - the most ubiquitous engine in modern aviation. Safran and GE are also partners in CFAN, Nexcelle and PTI. In partnership with Honeywell, Safran has developed the EGTS™ electric taxiing system that allows airplanes to taxi independently without using their jet engines, thanks to electric motors in the wheels on the main landing gear. With Albany International, Safran is building 3D woven carbon preforms for fan blades and cases for CFM International's LEAP engine, designed to power the nextgeneration single-aisle aircraft.

#### CREATING HIGH-VALUE JOBS

Safran's rapid growth in the United States has created a wide spectrum of high-value jobs across the country. In a competitive international marketplace, Safran understands that our employees are a vital part of our continued success – which is why we regularly seek out the "best and brightest" to support our expanding operations both in the U.S. and around the world.

At Safran, our human resources policy is driven by professional excellence. The overriding goal is to give our employees a safe and motivating work environment, so they can focus on delivering customer satisfaction.

### COMMUNITY OUTREACH

Supporting and enriching the local communities in which we operate is a pivotal part of Safran's growing presence in the United States. Our goal at Safran is to make a difference, by supporting people in need, creating a healthier environment, providing educational opportunities for students, and supporting art programs and cultural diversity in general.

This emphasis on "giving back" is an important component of Safran's presence in the United States, and further underscores its status as a responsible corporate citizen.









Safran is a leading international high-technology group and a Tier-1 supplier of systems and equipment for aerospace, defense and security. Safran's global presence enhances its competitiveness and allows it to build industrial and commercial relations with the world's leading prime contractors and operators, while providing fast local service to customers everywhere. Working alone or in partnership, Safran holds world or European leadership positions in its core markets.

# **SAFRAN WORLDWIDE KEY FIGURES**



IN MORE THAN **COUNTRIES** 

#### **LEADERSHIP POSITIONS**

- Launch vehicles (in partnership with Airbus Group)
- Engines for commercial aircraft with more than 100 seats (in partnership with GE)
- > Helicopter turbine engines
- Landing gears
- > Wheels and carbon brakes (mainline commercial jets with more than 100 seats)
- > Aircraft electrical interconnection systems
- Power transmissions (mainline commercial jets with more than 100 seats)

# WORLDWIDE

- Engine control units for commercial aircraft (in partnership with BAE systems)
- Helicopter flight controls



- > Inertial navigation systems
- > Optronics systems
- > Tactical drones

- Biometric ID solutions (based on fingerprint, iris and facial recognition)
- > Automated fingerprint identification systems (AFIS)
- Computed-tomography (CT) explosive detection systems (EDS) for checked luggage



## AND LEADING **POSITIONS IN**

- → Smart cards
- → Aircraft engine nacelles
- Military aircraft engines



## **RECRUITMENT 2.0**

Check out Safran on social networks:









All of our job offers on the Safran Talent website: www.safran-talents.com

KEY MISSIONS, KEY TECHNOLOGIES, KEY TALENTS