SUSTAINABLE FILTRATION

KEY MISSIONS, KEY TECHNOLOGIES
In the year 2000, LABINAL’s Aerospace branch was sold to the SNECMA GROUP and SOFRANCE then became part of the Equipment branch of SNECMA which in turn became the SAFRAN Group following the merger with SAGEM in 2004. During the years that followed, SOFRANCE was centered on all the main Aerospace programs including the A380, B787 and A350 aircraft.

The LABINAL Group acquired SOFRANCE in 1973 and integrated the company into its Aerospace branch, thereby accelerating its development in this sector.

During this period, SOFRANCE was focused on key programs like the A320 aircraft and the CFM56 engine.

The year 2000 saw the founding of the company “Filtres Français” which was to become “SOFRANCE” a few years later, in 1950. Up until the late 1950s, growth at SOFRANCE was mainly centered on the automotive market and the iron and steel industry. It was then, in 1958, that SOFRANCE embarked upon its aerospace adventure with the French state-owned aircraft manufacturer, Sud Aviation, and its Caravelle jet airliner program. And that was just the beginning, as the company went on to participate in such programs as the Mirage and Concorde right through the 1960s.

The LABINAL Group acquired SOFRANCE in 1973 and integrated the company into its Aerospace branch, thereby accelerating its development in this sector. During this period, SOFRANCE was focused on key programs like the A320 aircraft and the CFM56 engine.

In the year 2000, LABINAL’s Aerospace branch was sold to the SNECMA GROUP and SOFRANCE then became part of the Equipment branch of SNECMA which in turn became the SAFRAN Group following the merger with SAGEM in 2004. During the years that followed, SOFRANCE was centered on all the main Aerospace programs including the A380, B787 and A350 aircraft.

This rich history, combined with a continuous policy of significant investment ever since it was founded, means that SOFRANCE, now a subsidiary of MESSIER-BUGATTI-DOWTY, is today one of the leading players on the market for on-board filtration systems, covering all types of fluid (fuel, oil and air) and any type of civil or military Aircraft (helicopters, airplanes, UAVs).
SOFRANCE’s Quality Management System is EN/AS/JISQ 9100 certified. SOFRANCE has also been granted PART21-G, ISO14001 and AQAP-2110 certification, amongst others, which are also standards recognized by the world’s major aerospace authorities and manufacturing companies.

Investment in research and new technologies is a fundamental part of SOFRANCE’s strategy. Our new developments are built on the strength of SOFRANCE’s extensive experience in all kinds of filtration techniques. A policy of knowledge transfer and management of expertise allow our technical teams to offer the most appropriate solutions to satisfy our Customers’ needs, based on state-of-the-art technologies.

Furthermore, at SOFRANCE the filter development and qualification activities benefit from internal resources: on the one hand, digital tools such as CAD and CFD (CATIA and Fluent respectively) for analyzing and optimizing the key factors impacting product performance, and on the other hand, SOFRANCE has its own fully equipped laboratory, with every capacity to perform functional and environmental tests on development and qualification models.

All data and processes are controlled by a Product Lifecycle Management (PLM) tool in which SOFRANCE has invested in order to offer its Customers the latest solutions for configuration management.

SOFRANCE’s Quality Management System is EN/AS/JISQ 9100 certified, SOFRANCE has also been granted PART21-G, ISO14001 and AQAP-2110 certification, amongst others, which are also standards recognized by the world’s major aerospace authorities and manufacturing companies.
SOFRANCE has developed a high level of expertise in air filtration. SOFRANCE can provide its Customers with a complete range of filters to improve passenger comfort. Our latest developments in cabin air filtration for the civil jet market meet the challenge of reducing both weight and pressure drop while increasing filter life. This is possible due to the use of advanced technology, simulation models and a state-of-the-art test bench.

With these tools and experience at its disposal, SOFRANCE has set new standards in high-efficiency cabin air filtration. The specific solution depends on the main contaminants to be controlled (water, carbon black, virus, bacteria, VOCs, mist or salt for example). SOFRANCE offers both dynamic separation (cyclonic cells) and static filters.
Key filter characteristics such as weight, lifetime and cost represent a dynamic challenge which SOFRANCE continues to take up by investing in qualified staff and technology. The experience gained by SOFRANCE in developing fuel filters has made the company a major supplier to OEMs who require fuel filters for both security and decontamination. Our solid engineering skills, which have developed from our testing and from the results obtained using field operational data, are a major contributing factor to the ongoing success in ENGINE applications. SOFRANCE offers a wide range of lube oil filters and clogging indicators that are dedicated to both civil and military aircraft engines. These filters play a role in power transmission and engine lubrication systems (as gear-boxes).
SOFRANCE provides a wide range of hydraulic equipment used in most civil and military aircraft operating from 1 l/min to 500 l/min (flow rate), from 300 µ to 1 µ (efficiency) and up to 5,000 psi (pressure level) such as:

- Relief valves / Check Valves / By-pass valves / Sampling Valves
- Differential Pressure Indicator / Clogging Indicator
- Low Pressure, High Pressure Manifolds
- Case Drain Filters
Whatever the need, whether propulsion, hydraulics or pressurization, SOFRANCE has the capability to develop filters for all kinds of fluids and gases: Helium, LOX, LH2, Nitrogen, Xenon, Hydrazine, MON and cold gases. These filters are free of any ITAR and EAR restrictions.

Over the years, SOFRANCE has developed unrivalled knowledge and experience in the design and manufacture of space filtration systems. It’s wide heritage, along with a high-tech production facility which satisfies the demanding space quality requirements have combined to make SOFRANCE a key supplier of filters for launchers and satellites.

SOFRANCE has also developed an all-titanium design filter for satellite propulsion systems.
Mission:
Reduce your Cost Of Ownership with:
• Reliable products
• Increased lifetime
Supply from stock anywhere in the world through an international distribution network. Support with tailor-made solution packages.

AOG desk: D7 – H24
OEM Services
AOG@aeroservices.aero
AOG Tel: +33 (0) 1 49 78 45 73
www.aeroservices.aero

Repair station: Avia Technique Ltd
www.aviatechnique.co.uk
Tel: +44 (0) 1189 789 789
Maintenance Organization Approval:
EASA / FAA / TCCA
Average 10 days TAT

All products are OEM-qualified and delivered with EASA Form 1 or Statement of Conformity.
For commercial or technical assistance:
Tel: +33 (0) 5 55 58 56 00
support@sofrance.com
www.sofrance.com

Cage Code: F0559 – DUNS: 27 782 8570 – SITA: LIGSFCR