

**SAFRAN**  
an international  
technology leader



# SAFRAN

Group

**SAFRAN** is an international high-tech group with four core businesses: Aerospace Propulsion, Aircraft Equipment, Defense Security, and Communications. The Group has 58,000 employees in more than 30 countries and **annual sales exceeding 10 billion euros**.

Comprising a number of companies with prestigious brand names, SAFRAN, alone or in partnership, holds world or European leadership positions in its markets.

2005 sales

**10,577 €M**



Commercial aircraft engines  
Military aircraft engines  
Helicopter engines  
Space engines



Engine equipments  
Aircraft engine nacelles  
Landing systems  
Wiring systems  
Ventilation  
Filtration  
Engineering



Navigation and aircraft systems  
Optronics and air-land systems  
Security



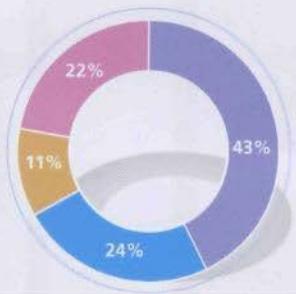
Mobile phones  
Residential terminals  
Printing terminals  
Network equipments

# 2005 Key figures

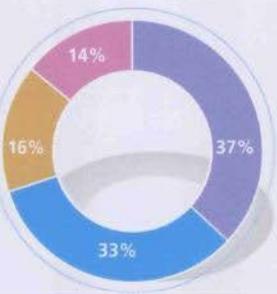
**Sales: 10,577 €M**  
**Workforce: 58,077** (at 12.31.05)

## By branch

Sales

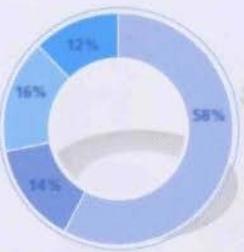


Workforce



## Aerospace Propulsion

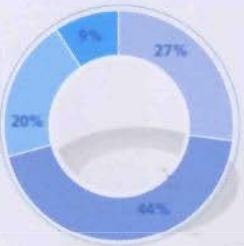
2005 sales: 4,493 €M



Civil aircraft  
 Military aircraft  
 Helicopters  
 Space and ballistic missiles

## Aircraft Equipment

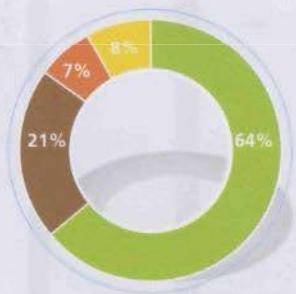
2005 sales: 2,510 €M



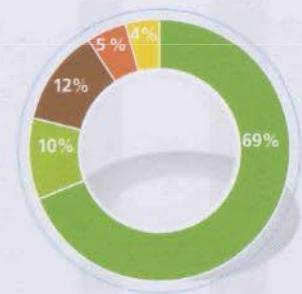
Engine equipment, nacelles & thrust reversers  
 Landing gear  
 Aircraft equipment  
 Other equipment

## By region

Sales

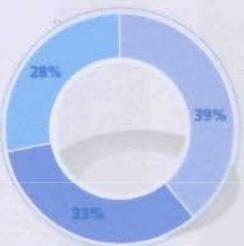


Workforce



## Defense Security

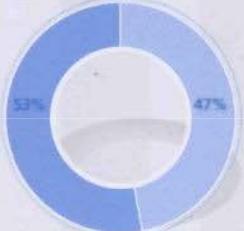
2005 sales: 1,232 €M



Navigation and aircraft systems  
 Optronics and air-land systems  
 Security

## Communications

2005 sales: 2,342 €M



Mobile phones  
 Broadband

# Aerospace Propulsion

branch

2005 sales

**4,493 €M**

**SAFRAN's Aerospace Propulsion branch** groups all design, production, marketing, testing and MRO activities concerning **propulsion systems for airplanes, helicopters, missiles and launch vehicles in the civil, military and space markets**. Working alone or in partnership, companies in the Propulsion branch contribute to today's leading aerospace programs worldwide.



## Companies

Sneecma  
Sneecma Services  
Turbomeca  
Microturbo  
Sneecma Propulsion Solide  
Techspace Aero

## MARKETS

### Commercial Aircraft Engines

No. 1 worldwide for mainline jets (over 100 seats), through equal partnership with General Electric.

### Military Aircraft Engines

No. 2 in Europe

### Helicopter Engines

No. 1 worldwide

### Space Engines

No. 2 worldwide for liquid and solid propulsion



# Aircraft Equipment

branch

2005 sales

**2,510 €M**

SAFRAN's Aircraft Equipment branch groups all design, production, marketing and MRO activities for systems and equipment used on civil and military airplanes and helicopters. Working alone or in partnership, companies in the Equipment branch contribute to today's leading aerospace programs worldwide.



## Companies

Messier-Dowty  
Messier-Bugatti  
Messier Services  
Aircelle  
Labinal  
Hispano-Suiza  
Teuchos

## MARKETS

### Aircraft Engine Nacelles

Top two worldwide

### Landing Gear

Top two worldwide

### Wheels and Carbon Brakes

Top two worldwide for mainline jet carbon brakes

### Aircraft Wiring

A world leader



# Defense Security

branch

2005 sales

**1,232 €M**

**SAFRAN's Defense Security branch** operates in civil, military and space markets, through the following product lines: navigation and inertial guidance equipment, optronic systems and equipment, avionics systems, UAV (unmanned aerial vehicle) systems, air-land systems and equipment, biometric identification systems, secure transaction terminals and smart cards.



## Companies

Sagem Défense Sécurité  
Sagem Orga GmbH  
Sagem Monetel  
Sagem Morpho, Inc.  
Sagem Avionics  
Vectronix AG

## MARKETS

### Biometric identification, cryptology

No. 1 worldwide in biometrics (fingerprints, iris, face)  
No. 1 worldwide in biometric ID cards  
No. 1 worldwide in automatic fingerprint identification systems (AFIS)

### Optics - Optronics

No. 1 worldwide in space optics

### Inertial navigation

No. 2 worldwide in inertial navigation and gyro systems

### Infrared cameras and sights

No. 2 worldwide in multispectral optronic sights



# Communications branch

2005 sales

**2,342 €M**

SAFRAN's Communications branch groups all activities concerning mobile communications and broadband communications: **mobile phones, printing terminals, residential terminals, digital TV, broadband networks, electronic meters, etc.**



## Companies

Sagem Communication

## MARKETS

### Printing terminals

No. 1 in Europe in thermal transfer fax machines

### Broadband terminals

No. 1 in Europe in residential gateways

No. 1 in Europe in ADSL terminals

### Digital TV set-top boxes (DTTV and IP)

No. 1 in Europe

### Mobile phones

No. 7 worldwide



# SAFRAN

## worldwide

The SAFRAN Group operates worldwide, through our design, production and service companies, plus a broad network of sales offices. This global presence means that we can develop and maintain industrial and commercial relations with today's leading prime contractors and operators, giving all customers fast, local service - anywhere in the world!



(Workforce by country, at 12.31.05)

# SAFRAN Group Company Profiles

## Aerospace propulsion

### Sneecma

Engines for civil and military aircraft, propulsion systems for satellites and launch vehicles.

### Sneecma Services

Maintenance, repair and overhaul (MRO) services for commercial and military aircraft engines.

### Turbomeca

Turbine engines for civil and military helicopters.

## Aircraft Equipment

### Messier-Dowty

Landing gear for civil and military aircraft and helicopters.

### Messier-Bugatti

Wheels and carbon brakes, landing and braking control systems.

### Messier Services

MRO services for landing and braking systems.

### Aircelle

Complete nacelles for aircraft engines, support services, composite materials.

## Defense Security

### Sagem Défense Sécurité

Navigation and aircraft systems, optronics and air-land systems, security systems and equipment.

### Sagem Monetel

Electronic payment systems.

### Sagem Morpho, Inc.

Biometric identification systems.

## Communications

### Sagem Communication

Mobile phones, printing terminals, residential terminals, digital TV, broadband networks, electronic meters.

### Microturbo

Jet engines for missiles, target drones and UAVs.

### Sneecma Propulsion Solide

Solid rocket motors for launch vehicles and missiles, thermostructural composite materials.

### Techspace Aero

Components and assemblies for aircraft and rocket engines, MRO services, test cells.

### Labinal

Electrical wiring for civil and military aircraft, engineering services.

### Hispano-Suiza

Control systems and equipment for civil and military aircraft engines.

### Teuchos

Consulting and engineering services for the aerospace, defense, and automotive industries.

### Sagem Orga GmbH

Smart cards.

### Sagem Avionics

Avionics and navigation systems.

### Vectornix AG

Optics and defense optronics.

### Ningbo BIRD SAGEM Electronics Co. Ltd

Mobile phones production.



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