








Overview



Our Business

Leonardo is a global high-tech company and one of the key actors in Aerospace, Defence and Security worldwide.

DIVISIONS

	▪ Helicopters
	▪ Aircraft
	▪ Aerostructures
	▪ Airborne & Space Systems
	▪ Land & Naval Defence Electronics
	▪ Defence Systems
	▪ Security & Information Systems

SUBSIDIARIES AND JOINT VENTURES

- **Leonardo DRS** (100% Leonardo)
- **Telespazio** (67% Leonardo and 33% Thales)
- **Thales Alenia Space** (67% Thales and 33% Leonardo)
- **MBDA** (37.5% BAE Systems, 37.5% Airbus Group, 25% Leonardo)
- **ATR** (50% Leonardo and 50% Airbus Group)
- **Avio** (28%)
- **Elettronica** (31.33%)

KEY FIGURES 2017

Group Results Full Year 2017 (in €bln.)

REVENUES



- 47.8% ELECTRONICS, DEFENCE AND SECURITY SYSTEMS
- 28.3% HELICOPTERS
- 27.0% AERONAUTICS
- 2.9% OTHER ACTIVITIES
- 6.0% ELIMINATIONS

ORDER BACKLOG



- 37.3% AERONAUTICS
- 35.9% ELECTRONICS, DEFENCE AND SECURITY SYSTEMS
- 28.9% HELICOPTERS
- 0.6% OTHER ACTIVITIES
- 2.7% ELIMINATIONS

NEW ORDERS

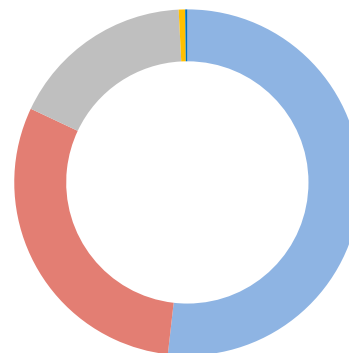


- 53.0% ELECTRONICS, DEFENCE AND SECURITY SYSTEMS
- 27.2% HELICOPTERS
- 22.5% AERONAUTICS
- 1.9% OTHER ACTIVITIES
- 4.6% ELIMINATIONS

RESULTS 2017 in €mln.

Revenues	11,527
New Orders	11,595
Order Backlog	33,578
R&D	1,539
Workforce (no.)	45,134

TOTAL SHAREHOLDER COMPOSITION



- 51.8% INSTITUTIONAL INVESTORS
- 30.2% ITALIAN MINISTRY OF ECONOMY AND FINANCE
- 17.2% RETAIL INVESTORS (ITALY ONLY)
- 0.6% TREASURY SHARES
- 0.2% UNIDENTIFIED

4FOUR DOMESTIC MARKETS

ITALY



UK



USA



POLAND



About 150
countries use our
products, systems
and **services**



Customer-Focused Culture

Every day, in each business sector, Leonardo puts its customers' needs first in order to anticipate their requirements:

- committing to the research and the development of advanced technologies
- monitoring and improving product quality and process efficiency
- supporting products, systems, and services throughout the entire lifecycle



Key International Cooperation Programmes

EUROFIGHTER TYPHOON

Advanced air defence and superiority fighter with multi-role capabilities.



F-35

New generation multi-role fighter with advanced air-to-ground capabilities and stealth characteristics.



NH90

Medium lift, multi-role military helicopter developed from NATO Staff requirements.



FREMM (European Multimission Frigate)

New generation frigates programme developed by a joint Italian-French cooperation project.



GALILEO

European global navigation satellite system.



nEUROn

European programme for a new unmanned combat air vehicle (UCAV) with stealth capabilities.



NATO-AGS (Alliance Ground Surveillance)

NATO system for intelligence, surveillance and recognition activities.



CLEAN SKY

European research programme for the development of breakthrough technologies to increase the environmental performances of air transport.



SESAR (Single European Sky ATM Research)

European research programme for the modernisation of the air traffic management system.



HELICOPTERS

- Design, production and management of the **entire system helicopter cycle**.
- Extensive range of all the main helicopter **weight categories** (from 1.8 to 16 tonnes).
- **Dual use** helicopters.
- A family of helicopters (**AW139**, **AW169**, and **AW189**) with the same design philosophy and the same certification and safety standards.
- Development of innovative technologies and platforms (**AW609 tiltrotor** and **remotely controlled/optionally piloted** helicopters).
- Logistic and maintenance **customer support; training** programmes.



AIRCRAFT

- **Military training**
 - trainer aircraft (**SF-260**, **M-345 HET**, **M-346**);
 - **Ground Based Training System** (GBTS) for pilots and ground crew .
- **Military aircraft**
 - tactical airlifter **C-27J**, and special versions **MC-27J** and **SAR**;
 - **ATR 42/72 MP** (Maritime Patrol) and **ATR 72 ASW** (Anti-Submarine Warfare).
- **International collaborative programmes**
 - **Eurofighter Typhoon**, **F-35 Lightning II**.
- **UAS**
 - technology demonstrators (**Sky-X** and **Sky-Y**);
 - European programmes **nEUROn** and **MALE**.
- **Regional transport aircraft**
 - **ATR 42 and 72** turboprop realised in partnership.



AEROSTRUCTURES

Large structural components in composite and traditional material for the major civil aircraft programmes in Europe and in the US:

- **Boeing**, advanced composite aerostructures for the 787 Dreamliner (2 fuselage sections and the horizontal stabilizer), 767 and 777.
- **Airbus**, aerostructures for the A380, A320 and A321.
- **ATR** (joint partnership), production of all fuselages complete with tail surfaces.



AIRBORNE & SPACE SYSTEMS

- **ISTAR** solutions (Intelligence, Surveillance, Target Acquisition & Reconnaissance), and **integrated mission systems** (such as ATOS-Airborne Tactical Observation and Surveillance).
- **Radars and sensors** (**Seaspray** and **Osprey** radars, based on **AESA** (Active Electronically Scanned Array) technology; **Gabbiano** radar family, with mechanically scanning array antenna).
- **Electronic warfare systems** (**BriteCloud**).
- **On-board avionics** and **CNI** (Communication, Navigation and Identification) systems.
- **Remotely piloted aircraft systems** (**Falco** family), **aerial target systems** and **simulation** systems.
- **Sensors and space systems** (mission payloads, advanced robotic systems and star trackers).



LAND & NAVAL DEFENCE ELECTRONICS

- **C4I** (Command, Control, Communications, Computer, Intelligence) solutions for Battlefield Management, Force Protection, Border, Territory & Maritime Control.
- **Naval Combat Management System (ATHENA).**
- **Radar Systems:** multifunctional electronically scanned array systems – AESA (**KRONOS**), Surveillance (**RAT/RAN**), Air Defence (**RAT**), Fire Control, Precision Approach and IFF (Identification Friend or Foe) radars.
- **Optronic Systems:** thermal cameras and imaging system designed for land, naval and avionic platforms.
- **Communications systems and solutions** protected and interoperable in fixed, portable and mobile versions.
- **Integrated solutions for logistics support**



DEFENCE SYSTEMS

- **Land and naval artilleries** (small, medium and large calibre); guided and conventional **ammunition** (**DART** and **VULCANO** family) of various calibres.
- **Unmanned ground, sea and underwater vehicles.**
- **Armaments** for military helicopters and aircraft.
- **Heavy and light weight torpedoes** (Black Shark, A244 and MU90).
- **Anti-torpedo countermeasure systems** and **sonar systems.**
- **Surface and underwater protection systems** for naval platforms and **underwater surveillance systems** for ports, coastal areas and strategic sites.
- **Tracked and wheeled armoured vehicles** (VBM Freccia and Centauro) through the CIO consortium (IVECO – Oto Melara).



SECURITY & INFORMATION SYSTEMS

- **Air and Vessel Traffic** Management and Control systems.
- **Systems for security and control of the territory**, critical infrastructure, borders, major events (Milan Expo 2015).
- **Mobility solutions** to support traffic and transport in urban areas.
- Innovative **cybersecurity** solutions (e.g. NATO Computer Incident Response Capability (NCIRC) provides services to over 70,000 NATO users in 29 countries).
- **Automation systems** for sorting, handling and tracking for postal operators, couriers and airports.
- **E-Government solutions** to support digital transformation processes.



SPACE

Leonardo operates in the **Space** sector through:

- **Telespazio** (67% Leonardo and 33% Thales).
- **Thales Alenia Space** (67% Thales and 33% Leonardo).
- **Airborne & Space Systems Division.**

Leonardo has a minority shareholding in **Avio** (space launcher and spacecraft propulsion).

Main programmes: Galileo, COSMO-SkyMed, Copernicus, SICRAL, ATHENA-FIDUS, Rosetta, International Space Station, ExoMars.

Activities: Telecommunications, Earth Observation, Navigation, Science and Exploration.

- The offer includes:
 - **satellite manufacturing**
 - **orbiting infrastructures**
 - **design and development of space systems**
 - **management of satellite services**
 - a wide range of high-tech **instruments, subsystems, and sensors.**



Leonardo DRS

Leonardo DRS, a US based subsidiary, is a leading supplier of integrated products, services and support to military forces, intelligence agencies and prime defence contractors worldwide.

The offer includes:

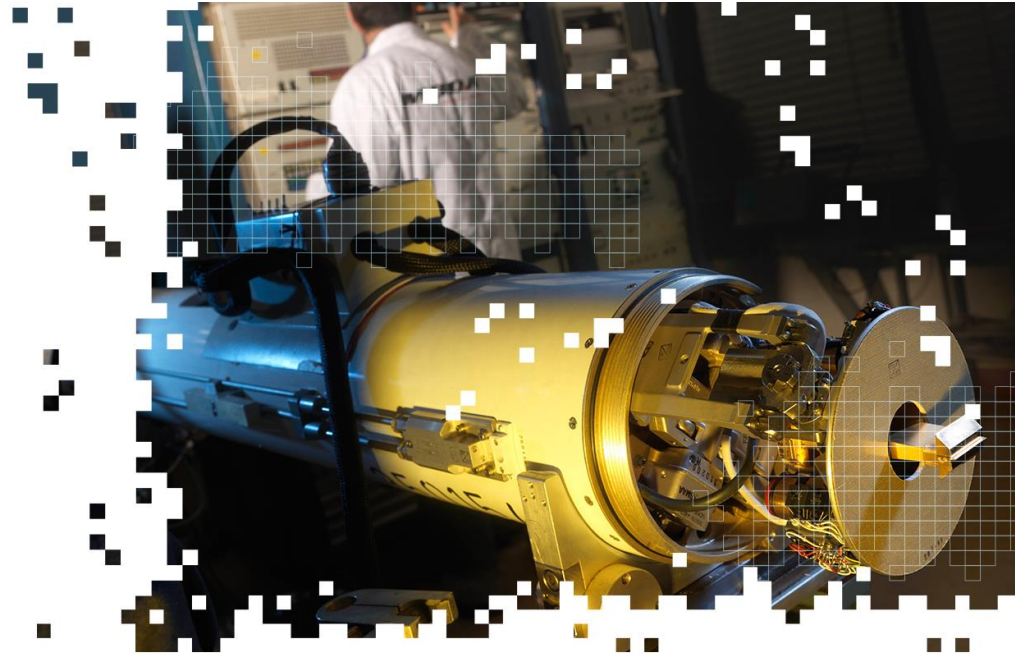
- **thermal devices**
- **power systems and marine propulsion**
- **tactical communication solutions**
- **electronic sensor systems**
- **support services and integrated logistics.**



MBDA

MBDA (37.5% BAE Systems, 37.5% Airbus Group, 25% Leonardo) is a world leader in missiles and missile systems.

The company designs and produces products that meet the full range operational needs worldwide, such as the **MARTE** medium range anti-ship missile family and the **METEOR** Beyond Visual Range air-to-air missile, meant to meet the requirements of six European nations for future air combat scenarios and capable of being integrated on Europe's major fighter platforms (Eurofighter Typhoon, Gripen, Rafale).



ATR

ATR (50% Leonardo and 50% Airbus Group) is the most successful in the global market for regional twin-engine turboprop aircraft.

Over **1,500** aircraft sold and more than **200** operators in nearly **100** countries worldwide.

The latest version in production, known as the -600 series, features digital avionics, new interiors and reduced operational costs.

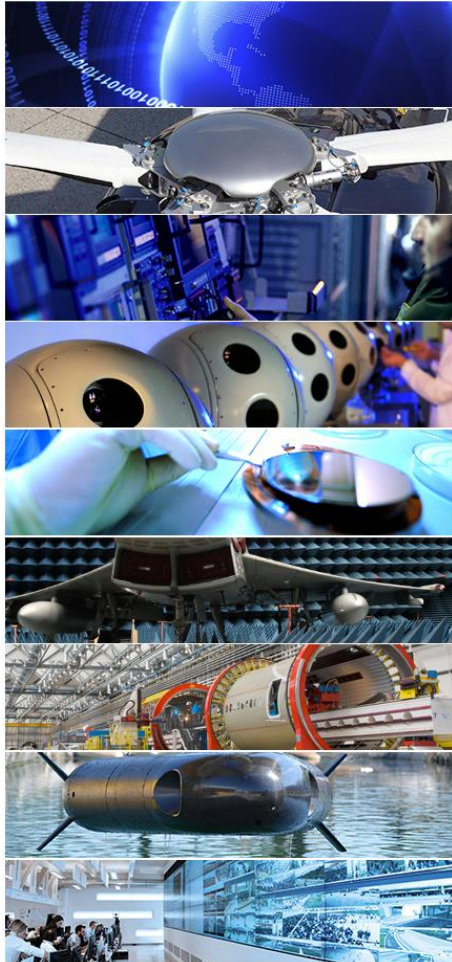
The aircraft is now available in the 50-seat version (**ATR 42**) and 70-seat version (**ATR 72**).

All fuselages, complete with tail surfaces, are built and fitted out by the **Aerostructure Division** in Italy.





Key Technologies and Capabilities



SOFTWARE

Embedded, Middleware, Cyber, Application Layer

MATERIALS

Metal, Ceramic, Composite, Coating

ELECTRONICS

Microelectronics, RF/IF, Power Electronics, Digital HW

OPTRONICS

Passive, Active

MECHANICS

Precision Mechanics, Thermal Management, Mechatronics

MODELLING & SIMULATION

Integrated Test Bed, Virtual Environments and Tools

COMPLEX SYSTEM DESIGN

Design, development and integration of complex systems

UNMANNED SYSTEMS

Artificial Intelligence, Cognitive Sensing, Autonomous Decision Software

ICT & CYBERSECURITY

Big Data and Analytics, Application Developments, Threat Intelligence, Secure Infrastructure, Protection Services

Leonardo invests 11% of revenues in Research & Development and has ongoing research projects with Italian and European universities and research centres.



AIR CAPABILITIES

INTEGRATED PLATFORMS

MILITARY AIRCRAFT

Combat
Trainer
Multi-Mission and
Transport

MILITARY HELICOPTERS

Attack
Naval
Transport

REMOTELY PILOTED AIRCRAFT SYSTEMS

Tactical
Aerial Target
New gen MALE and
UCAV
Helicopters (also
optionally piloted)

MISSION PLANNING

SIMULATORS AND BATTLE LAB

DEFENCE AIRCRAFT SYSTEMS

Air to Air
Air to Surface
Weapon Systems



MISSION ELECTRONICS

AIRBORNE RADARS

AIRBORNE ELECTRONIC WARFARE

AIRBORNE ELECTRO-OPTICS

ISTAR MISSION SYSTEMS

COMMUNICATION, NAVIGATION AND IDENTIFICATION (CNI) AND DISPLAY



LAND CAPABILITIES

INTEGRATED SYSTEMS

DISMOUNTED SOLDIER

SITE PROTECTION

BATTLESPACE
MANAGEMENT

C4I
SYSTEMS

AIR DEFENCE

FIGHTING VEHICLES

UNMANNED
GROUND
VEHICLES



SENSORS & EQUIPMENT

GUIDED AMMUNITION

TURRETS

RADAR, OPTRONICS AND
FIRE CONTROL SYSTEMS

COMMUNICATION
NETWORKS AND
EQUIPMENT

COUNTER IED
(IMPROVED
EXPLOSIVE
DEVICE)

OPERATIONS SUPPORT

MARITIME CAPABILITIES

INTEGRATED SYSTEMS

INTEGRATED NAVAL SYSTEMS

Combat System Integration
 Combat Management System

MARITIME AND COASTAL SURVEILLANCE AND SECURITY

POWER AND PROPULSION (DRS)

Environmental Systems
 Motors and Generators
 Conversion and Distribution
 Propulsion System Integration

UNMANNED SYSTEMS

USV / UUV / RUAV

NAVAL HELICOPTERS



SENSORS & EQUIPMENT

NAVAL SENSORS, SURVEILLANCE AND FIRE CONTROL SYSTEMS

Radar
 Electro-Optics

NAVAL COMMUNICATIONS

UNDERWATER SYSTEMS

Torpedoes
 Torpedo Carrier System
 Countermeasures
 Sonars

NAVAL DEFENCE SYSTEMS

Guns
 Launchers
 Ordnance & Ammunitions



SPACE SOLUTIONS

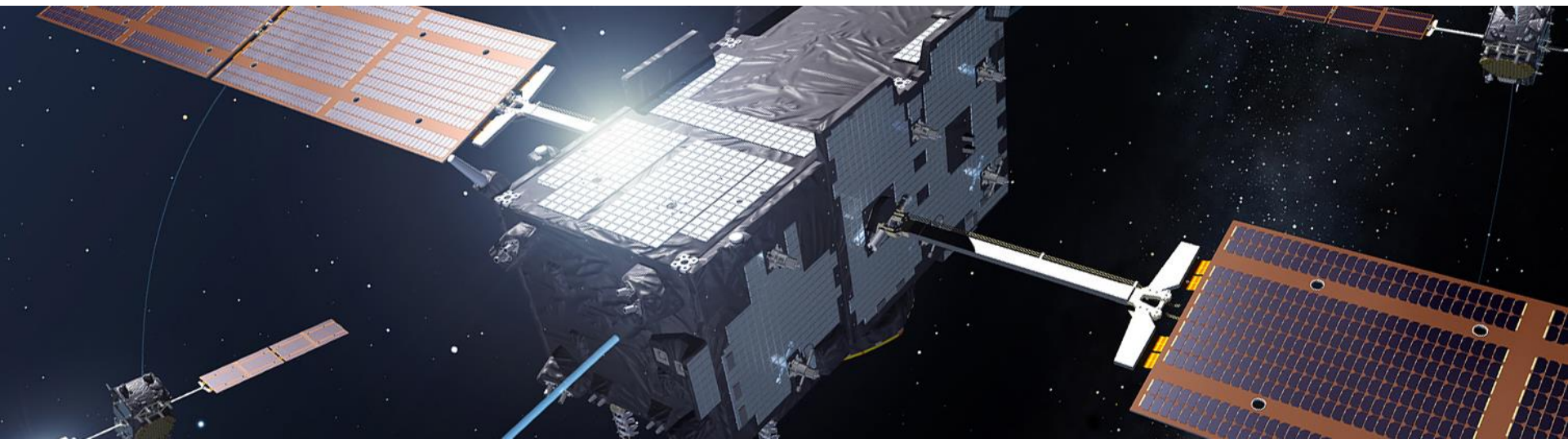
SPACE SYSTEMS

SATELLITE SYSTEMS

GROUND SEGMENT

SPACE INFRASTRUCTURES
(INTERNATIONAL
SPACE STATION)

SATELLITE EQUIPMENT & PAYLOADS



SPACE SERVICES

GEO INFORMATION

SPACE OPERATIONS
GROUND SEGMENT

SATELLITE OPERATIONS

SATELLITE
COMMUNICATIONS

SECURITY AND RESILIENCE

PHYSICAL

SECURE PROFESSIONAL COMMUNICATIONS

MAJOR EVENTS

AIR AND VESSEL TRAFFIC CONTROL SYSTEMS

BORDER CONTROL

CRITICAL INFRASTRUCTURE PROTECTION



LOGICAL

INTELLIGENCE AND ANALYTICS

INFO ASSURANCE

EXTENSIVE KNOW-HOW IN CYBER SECURITY SERVICES

Responsibility

We fully embrace the responsibilities that come with being a corporate citizen. We develop our business with a focus on sustainability, a key driver of our strategy; every phase of operations is informed by this, from the design to the production and support, to the impact on the end user and supply chain.

All our activities are planned with a view to the impact on the company, stakeholders, people and the environment.

Leonardo's ability to be proactive in the processes of development defines us as a sustainable business and a socially responsible Group.

Member of DJSI since 2009-2010

Accession to CDP since 2008

MEMBER OF
**Dow Jones
Sustainability Indices**
In Collaboration with RobecoSAM





THANK **YOU** FOR YOUR ATTENTION

