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## Group companies

### HELICOPTERS

**AgustaWestland** is one of the most technologically-advanced and competitive players on the global helicopter market, with around 10,000 employees spread around the world and production centres in Italy, the UK and the US. The company offers an unrivalled range of commercial and defence helicopters, which cover all the main weight categories, from the 2.8 tonne single-engine to the 16 tonne three-engine. Excluding a few helicopters for specific military uses (the NH90, AW129 and Super Lynx 300), all AgustaWestland products are highly suitable for dual use. Its new programmes under development include the BA609 tiltrotor and the Future Lynx and AW149 helicopters. The company has strategic agreements with other helicopter manufacturers, such as: the US Bell Helicopter, for the development and sale of the BA609 tiltrotor, the European Eurocopter and Stork Fokker for the NH90 programme and finally Lockheed Martin and Bell Helicopter Textron for the production and sale of the US101 in the US. AgustaWestland owes its renowned competitiveness to a high level of expertise in a number of areas, which enables it to manage the entire cycle of its helicopters. The company also has the know-how required to autonomously define and integrate avionics, computerised flight control and mission management systems. AgustaWestland is always at the cutting edge of technology, and invests between 10% and 15% of total annual sales in research and development.

### DEFENCE ELECTRONICS

**SELEX Sistemi Integrati** designs and develops large systems for homeland security, as well as systems and sensors for naval and land applications, maritime and coastal surveillance and the management and control of air and airport traffic with turnkey solutions. The company, which has more than 3,000 employees, boasts fifty years of experience and clients from more than 150 countries. SELEX Sistemi Integrati has extensive capabilities in systems integration, simulation, engineering, software design and the production of high-tech components and systems. In Italy, SELEX Sistemi Integrati has plants in Rome, Fusaro e Giugliano (Naples), Genoa, La Spezia and Taranto. It is also present in Germany (SELEX Sistemi Integrati GmbH), where it produces weather radar, in the UK (SELEX Sistemi Integrati Ltd) with its air traffic management activities, and in the US (SELEX Sistemi Integrati Inc) with its aerial navigation support systems. SELEX Sistemi Integrati's offer is divided into five complementary and synergetic lines: **Large Systems**, for homeland security (Security) and homeland defence (Defence); **Civil Systems**, where it provides solutions for airport area management and coastal and maritime surveillance; **Systems and Sensors for Naval Defence**, where it develops and supplies integrated combat systems, command and control systems, firing control systems, radar and electro-optical sensors, simulation and training systems; **Air and Land Defence Systems**; **Integrated Logistics Support** and **Customer Support**.

In 2009 the company has incorporated the activities of **Vega**, the British company which had been acquired by Finmeccanica in 2008. Vega offers engineering and technological consultancy

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**Finmeccanica** plays a leading role in the global aerospace and defence industry, and participates in some of the sector's biggest international programmes through its group companies and well-established alliances with European and USA partners. A leader in the design and manufacture of helicopters, defence and security electronics, civil and military aircraft, aerostructures, satellites, space infrastructure and defence systems, Finmeccanica is Italy's leading high-tech company. It also boasts significant manufacturing assets and skills in the transport and energy sectors; it is listed on the Milan stock market and operates via a number of group companies and joint ventures. It has around 73,000 employees, with more than 12,600 working in the USA, about 10,100 in the UK and over 3,600 in France. As part of its drive to maintain and build on its technological excellence, Finmeccanica spends 12% of its revenues on Research and Development.

in defence, aerospace and government services, providing clients with complete assistance, from defining a business strategy to handling all project development phases. The company also provides advanced solutions for simulation, training and security systems and, in the field of space services, provides innovative solutions and support to the space agencies of France and Germany as well as ESA (European Space Agency).

**SELEX Communications** is a leading supplier of advanced systems for communication, navigation and identification for the protection of the public, territory and critical infrastructure for military and institutional clients and industry. This Italian company has offices and facilities all over the world, and employs around 4,750 people. For the **defence market**, SELEX Communications provides communication, navigation and identification systems for land, naval and air applications. For the **government market**, it produces secure, integrated, interoperable turnkey radiomobile networks relating to TETRA, Simulcast and DMR, using next-generation broadband wireless technology. The company also has an excellent track record in GSM-R mobile voice and data communications for rail traffic management and control, with more than 35 years of experience in developing and supplying land-air communications equipment and systems for air traffic control. For **public services companies**, SELEX Communications has developed a line of customized radiomobile systems, such as those for energy suppliers (gas, oil, electricity, etc.), which can also include telemetric data. In emerging technologies and broadband services, SELEX Communications provides the most advanced digital radiomobile networks for telecommunications operators. Lastly, it offers a complete range of BWA systems (Wi-Fi, HiperLan and WiMAX) for broadband wireless data transmission in applications for the civil sector and the public administration.

**SELEX Galileo** is the new brand that regroups the two companies SELEX Sensors and Airborne Systems Ltd and Galileo Avionica on the international market. It offers a wide range of solutions in the situation awareness, security and protection fields. Specialising in sensors and mission systems, SELEX Galileo has integrated its systems on more than 30 air, land and sea platforms, and offers logistics and support solutions for the whole life cycle of its products. Its areas of business include: **Situation awareness**, in which it provides protection and electronic warfare systems, sensors for soldiers, mobile surveillance vehicles, acoustic sensors, unmanned tactical systems, mission air transport systems and their land stations; **Surveillance systems**, where it offers a complete range of mechanical and electronic scanning radar for surveillance; **Homeland security**, in which it supplies unmanned systems, electro-optical turrets, infrared equipment, thermal imaging systems and acoustic sensors. These can be integrated into a complete surveillance and monitoring network; **Space sensors**, where it supplies highly innovative dual-use multi-spectral and hyper-spectral sensors for earth observation and the study of the universe, and optical instruments for environmental monitoring and navigation. SELEX Galileo's instruments and equipment are included in the payloads of the main ESA, NASA and ASI missions.

**SELEX Service Management** develops and sells services and applications in defence and security electronics. Thanks to its high level of technological specialisation and continuous innovation, SELEX Service Management offers innovative solutions, partly by using existing infrastructure. It also provides value-added services in sectors that require security, and manages ICT platforms to monitor and control areas and critical infrastructure. Its areas of business include: **Environmental monitoring**, in which it supplies video-surveillance services for national infrastructure and coastal monitoring; **Services for local public administration**, where it provides connectivity solutions, through value-added services such as document management, environmental monitoring, the monitoring of critical structures and broadband services; **Services for central government organisations**, in which it provides the secure management and supervision of innovative services. The areas monitored include the country's natural and cultural heritage, historic and artistic monuments, as well as government buildings; **Management of technological identity infrastructure**, providing governments and individual citizens with advanced technological solutions; **Stadium security**, in which it provides integrated solutions to

prevent and combat threats to security in stadiums and manage national and international sports events.

**DRS Technologies**, headquartered in Parsippany, N.J., U.S.A., has served the defence industry for 40 years and is a leading supplier of integrated products, services and support to military forces, intelligence agencies and prime contractors worldwide. Focused on defence technology, the company develops, manufactures and supports a broad range of systems supporting mission-critical and military sustainment requirements, as well as systems that address homeland security challenges. The company holds leading market positions in the key technology areas tied to defence priorities: infrared technology, persistent surveillance, battle management, power technologies, satellite networks and communications infrastructure, and troop sustainment and support.

**Elsag Datamat** is Finmeccanica's centre of excellence in the design and production of high-tech systems, services and solutions in the following areas: **Automation**, in which it supplies complex automation and process management systems, both in the postal and industrial sectors; **Security**, where it offers complete, integrated security solutions for territory, borders, communications on networks as well as critical infrastructure for defence, public administration, the police, transport, health, telecommunications and large companies; **Transport**, where it offers integrated solutions supporting intermodal passenger and freight transport and urban mobile information services; **Defence and space**, a sector in which it provides complex systems relating to command and control, mission planning, logistics, simulation and training, space control centres, onboard software for satellite navigation, ground segment systems for the acquisition, processing and storage of earth observation data, multi-mission user services, systems for environmental monitoring, emergency management and meteorology; **IT**, where it supplies IT products, solutions and systems that are applied in the relative business area and which also represent the enabling technological structures for other strategic areas: the design, customisation and development of IT solutions, process consultancy, *enterprise resource planning and application management solutions*, document management, the design and operational management of ICT assets and processes, data processing, networking and the management of distributed systems.

**SEICOS** designs and manages next-generation telecommunications networks for government agencies that require a reliable technological partner able to meet the most stringent demands for connectivity and security. Formed in June 2006, SEICOS has to date won various contracts for projects with a high technological value. It manages the national radiomobile TETRA interpolice network at the national management centre in Sassari, using a fully platform fully integrated and equipped with the most advanced technology. Seicos is also involved in building the SUD fibre-optic network and the experimental project to cover the metropolitan area of Rome using Wi-Max technology. This consists of a multi-level network infrastructure, which uses the most advanced technologies available on the market: Radio (Wi-MAX and Hyperlan), IP Networking, Security, etc. Seicos' Wi-Max network provides radio coverage for the capital and various types of application services (VoIP, Video, Thin Client, Web TV, video surveillance, etc.). As a designer and architect of complete telecommunications networks, Seicos offers its clients solutions that guarantee continuity of service in any circumstance (Disaster Recovery systems) and value-added services, while at the same time reducing connectivity costs. The company guarantees very high levels of security through the use of advanced encryption systems, protecting the confidentiality and integrity of communications.

## **AERONAUTICS**

**Alenia Aeronautica** is a leader in the aeronautics sector and an international player in the aerospace industry. The company has full system development and integration capabilities in the most advanced areas, such as high-performance combat aircraft, military and civil transport aircraft, unmanned aircraft (UAV), and aerostructures for airliners. Furthermore, it provides

clients worldwide with a complete product support service and is also active in the overhaul and maintenance of commercial and military aircraft and in the upgrading of their systems. Alenia Aeronautica is at the forefront of some of the most advanced military and civil programmes in the world. In **Defence aircraft**, the Eurofighter Typhoon represents the pinnacle of Alenia Aeronautica's expertise in the design, production and integration of state-of-the-art military aircraft. The C-27J is the most successful tactical transport aircraft in the world. Alenia Aeronautica is also the prime contractor in Italy for the Joint Strike Fighter F-35, the next-generation combat aircraft. In **Commercial aircraft**, Alenia Aeronautica is a world leader in regional aircraft through the turboprop aircraft of the ATR family and the jets of the new Superjet 100 family; it is also one of the key partners in airliners, such as the Boeing 787 Dreamliner and the Airbus A380, as well as providing structures and components for more than 15 types of airliner or executive aircraft. In **Unmanned Air Systems**, Alenia Aeronautica leads the world, with flight demonstrators Sky-X and Sky-Y. It is the second largest participant in the European Neuron programme for the development of a UCAV platform. Alenia Aeronautica has an international network of subsidiaries (Alenia Aermacchi, Alenia Aeronavali, Alenia Composite, Alenia SIA, Quadrics and Alenia North America), as well as joint ventures such as Eurofighter (with BAE Systems and EADS), ATR (with EADS), GMAS (with L3 Communications and Boeing), Superjet International (with Sukhoi) and Global Aeronautica (with Boeing).

**Alenia Aermacchi** is a world leader in the design, production and support of training aircraft for military pilots. The company offers a complete range of products that meets the requirements of all stages of training, including the primary, basic, advanced and pre-operations phases. These include the M-346, the only European lead-in fighter trainer (LIFT), and the MB-339, used by the *Frecce Tricolori* aerobatic team of the Italian air force. Alenia Aermacchi was formed in 1913, and has built more than 7,000 aircraft, including 2,000 trainers sold to more than 40 countries. The experience it has gained in the military field has enabled it to extend its business to the field of civil aviation, and in particular the production of nacelles for the world's largest civil aircraft manufacturers (Boeing, Airbus, Embraer, Dassault). Alenia Aermacchi also participates in numerous international military programmes (Eurofighter Typhoon, Tornado, C-27J, AMX). The company is located in Venegono Superiore in the province of Varese, and employs around 1,850 staff on an area of more than 274,000 sqm. Its facilities include laboratories and experimental divisions for structural testing, a wind tunnel, a water tunnel and an aerodrome for experimental flights.

**ATR**, a joint venture between EADS and Alenia Aeronautica (50% each one), is world leader in the 50-70 seater turbo-prop aircraft market. It is based in Toulouse, France, and its models, the ATR 42 and ATR 72, provide the perfect solution for short-haul flights worldwide. The Alenia Aeronautica facility in Pomigliano (Naples) produces the fuselage and sections of the aircraft's tail, while the wings are assembled at EADS Sogerma Services in Bordeaux for Airbus France. The plant in Toulouse takes care of the final assembly, flight tests, certification and delivery. Alenia Aeronautica is in particular responsible for the development, manufacture, certification and delivery of the special mission variants for maritime patrol (the ATR42 MP) and anti-submarine warfare (the ATR72 ASW).

**SuperJet International** is a joint venture between Alenia Aeronautica (51%) and SCAC – Sukhoi Civil Aircraft Company (49%) and is responsible for marketing and sales of the SuperJet 100 regional jets family on western markets and for worldwide after sales support for the aircraft. SuperJet International is also responsible for the design and development of the aircraft's VIP and cargo versions. The SuperJet 100 represents the largest collaborative programme between Russia and Europe in the field of high technology and is produced by SCAC – in which Alenia Aeronautica holds a participation - the company responsible for the aircraft's design, production, marketing and certification.

## SPACE

**Telespazio**, a joint venture between Finmeccanica (67%) and Thales (33%), is one of the main global operators in satellite operation, earth observation, satellite navigation and integrated, value-added connectivity services. The Rome-based company has around 1,400 staff, a network of four space centres and 22 sites spread all over the world. These include the Fucino Space Centre in Abruzzo, the largest civil teleport in the world, with more than 90 operational antennas. Its business sectors include: **Satellite Operations**, where it supplies integrated solutions that cover the whole space missions value chain: the definition, development and integration of the earth segment with stations and control centres, as well as assistance in the launch and the transfer of satellites in orbit (LEOP: Launch and Early Orbit Phase); **Defence**, in which it supplies satellite services dedicated to satellite military communications, particularly for the SICRAL programme, for which Telespazio managed the LEOP and the design, integration and testing phases of the earth segment; **Network and Connectivity**, in which it has an extensive portfolio of highly-innovative products that can be divided into three main groups: fixed platforms, mobile platforms and telecommunications infrastructure; **Earth observation**, with applications for the study and control of the territory, civil protection, the prevention and management of natural events and cartography. In particular, Telespazio contributes to the development of COSMO-SkyMed, the programme of the Italian Space Agency and the Italian Ministry of Defence, based on a constellation of four radar satellites able to operate in any atmospheric conditions; **Navigation and Infomobility**, where it provides navigation and localisation services, a role confirmed by its participation in the development of Galileo, the European satellite navigation programme.

**Thales Alenia Space**, a joint venture formed by Thales (67%) and Finmeccanica (33%), is the leading European satellite systems company, and a cutting-edge producer of orbital infrastructure, as well as a global point of reference for the development of systems dedicated to navigation, telecommunications, meteorology, environmental control, defence, science and earth observation. Thales Alenia Space has 11 industrial facilities in four European countries (France, Italy, Spain and Belgium), and more than 7,200 employees worldwide. The company is currently involved in: **Environmental projects**, based on earth observation, such as the global monitoring for environment and security programme (GMES), and the MSG programme (Thales Alenia Space provided all the Meteosat satellites for Eumetsat) in the meteorological sector; **Defence**, in which it is involved in important programmes such as French (Syracuse I, II and III) and Italian (Sicral) telecommunications satellites, and civil-military observation programmes such as Helios (France), COSMO-SkyMed (Italy) and Sar Lupe (Germany); **Navigation**, where it produces satellites for the Galileo constellation, the European satellite navigation system (as prime contractor to EGNOS – the precursor of Galileo – and founder member and shareholder of Industrie Galileo and Galileo Concession); **Science and Exploration**, as prime contractor for the design of the ExoMars mission – one of the most ambitious exploration missions of the near future – and for the GOCE satellite (Gravity Field and Steady-State Ocean Circulation Explorer); **Space infrastructure**, where it produces infrastructure for the international space station, one of the technologically most advanced projects in the world, for which Thales Alenia Space designed and built 50% of the pressurised living space. The company also contributed to the related launch, transport and re-entry systems.

## DEFENCE SYSTEMS

**MBDA** is a joint venture between BAE Systems (37.5%), EADS (37.5%) and Finmeccanica (25%). It is the world leader in missiles and missile systems. MBDA is a multinational group with more than 10,000 employees in France, the UK, Italy and Germany. MBDA is the only group able to design and produce missiles and missile systems able to satisfy present and future operational requirements of all three armed forces (army, navy and air force). The company offers a range of 45 products in service and a further 15 in development. Integrating the best competencies at European level, MBDA is prime contractor for a series of multinational programmes. Thanks to its

mastery of cutting-edge technology, MBDA can guarantee its clients continuous updates throughout the life of the products, in order to respond to increasingly more complex operational scenarios.

**OTO Melara** is world leader in the production of small and medium calibre naval artillery. It offers complete solutions in various sectors, including artillery, armoured vehicles, naval munitions and anti-aircraft systems. OTO Melara products are used in around 60 countries on five continents. Through a 50-50 consortium with Iveco, part of the Fiat group, OTO Melara has gained 20 years' experience in the design, development and production of armoured vehicles and wheeled combat vehicles, which have met with huge international success.

**WASS** (Whitehead Alenia Sistemi Subacquei) is a leader in underwater systems, and is recognised worldwide for its excellence in integrated systems engineering. The company offers a complete range of light and heavy torpedos, anti-torpedo countermeasures for ships and submarines, active and passive sonar for ships and helicopters, anti-mine and underwater surveillance equipment. The company has a 50% stake in Eurotorp, the consortium formed with DCN and Thales to design and manufacture the most advanced light torpedo in the world.

## **ENERGY**

**Ansaldo Energia** operates nationally and internationally as a specialist in the supply of equipment and components for the generation of energy in all the forms required by the market: conventional thermal plants, simple and combined cycle plants, cogeneration and geothermal plants, nuclear power stations and the supply of services for all its products and those of other technologies. Ansaldo Energia has more than 100 years' experience, and an installed capacity of over 153,000 MW in more than 75 countries.

## **TRANSPORTS**

**AnsaldoBreda** specialises in the construction of rolling stock for rail and metro networks incorporating state-of-the-art electrical and mechanical systems. The company supplies complete trains, high-speed trains, diesel and electric locomotives, electric double-decker trains, electric multiple units (EMU), diesel multiple units (DMU), single- and double-decker passenger carriages, and vehicles for metro systems and trams. It develops new products and carries out checks and upgrades on its existing ones at its facilities in Naples and Pistoia, with world-leading equipment.

**Ansaldo STS** (60% Finmeccanica and 40% on the stock market), re-groups Finmeccanica's rail and metro signalling and transport system activities. The company designs, produces, manages and maintains turnkey rail and metro transport systems, and the related signalling and traffic monitoring systems.

**BredaMenarinibus** is one of the main Italian companies in the bus industry for tradition and history. The company is active in the design, production, assembly and testing of several models of buses which are wholly conceived and developed (carbody and mechanic) using the most updated techniques of calculation and design.