



# THALES

Thales  
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Employment: 65,000

### Officers:

**Chairman & CEO** Denis Ranque; **Vice-Chairman** Bernard Rétat; **Executive VP, Chief Marketing Officer, Thales International** Jean-Paul Perrier; **Executive VP & COO Defense** François Lureau; **Executive VP and COO Aerospace and Information Technology & Services** John Hughes; **Sr. VP Chief Financial Officer** Ross McInnes; **Sr. VP Strategy & Development** Jean-Loup Picard

## Aerospace Organization/Products:

### Aerospace Business Area:

**Aerospace Business Group.** Thales Avionics (Velizy, France): Integrated modular avionics suites, LCD cockpit displays and instruments, communications, flight management, control and navigation, and surveillance systems. Thales Avionics Electrical Motors (Chatou, France): Onboard electrical power management. Thales Avionics-Inflight Systems Inc. (Irvine, CA, USA): Inflight entertainment. Thales Avionics Ltd. (London, UK): Navigation systems, satellite communications, prime contracts and systems integration. **Air Traffic Management Business Group.** Thales ATM (Bagneux, France, with operations in Australia, Germany, Italy, UK and USA): Air traffic management systems, radar and control centers. **Simulation Business Group.** Thales Training and Simulation (Cergy, France, with operations in Australia, UK and USA): Commercial and military flight simulators, nuclear powerplant simulators and training centers.

### Defense Business Area:

**Airborne Systems Business Group.** Thales Airborne Systems (Elancourt, France), Thales Missile Electronics Ltd. and Thales Sensors (UK): EW systems, airborne radar and mission systems and missile electronics. **Air Defense Business Group.** Thales Air Defense (Bagneux, France, and Belfast, Ireland, UK): Air defense systems and missile systems. Thales Munitronics B.V. (Huizen, The Netherlands): Fuses. **Communication Systems Business Group.** Thales Communications (Colombes, France) with operations in Belgium, Germany, The Netherlands, Norway, UK: Ground-based, airborne and naval combat radio communications, networks and information systems. **Naval Business Group.** Quintec Associates Ltd. and Thales Naval Ltd. (both Farnham, UK): Ship prime contractors. Thales Naval Deutschland (Wilhelmshaven, Germany), Thales Naval France (Bagneux, France) and Thales Naval Nederland (Hengelo, The Netherlands): Naval combat systems. Thales Underwater Systems (with operations in Sophia Antipolis, France; Australia, UK, and USA): Sonar systems for surface vessels and submarines. **Optronics Business Group.** Thales Optronics Ltd. (Glasgow, UK) and Thales Optronique (Guyancourt, France) with subsidiaries in Canada, France, Italy, The Netherlands and the UK: Defense Optronics Systems. Thales Angénieux (St-Héand, France), Thales Optics Ltd with subsidiaries in France and the UK, and Thales Laser (Orsay, France): Optics and components, cryogeny.

### Information Technology & Services Business Area:

**Communications Components Business Group.** Thales Antennas (Southampton, UK): Antennas. Thales Electron Devices (Vélizy, France): Space traveling wave tubes and other electron tubes. Thales MESL Ltd. (Edinburgh, UK) and Thales Microsonics (Sophia Antipolis, France): Surface acoustical wave (SAW) devices. Thales Microelectronics (Chateaubourg, France): Circuit boards. Thales Microwave (Massy, France): Microcircuits. **Information Systems Business Group.** Thales Information Systems (Malakoff, France) with operations in Argentina, Belgium, Germany, Italy, Spain, Switzerland and UK: Systems integration, professional services and outsourcing. **Positioning Based Solutions Business Group.** Thales Geosolutions (with operations in some 30 countries), Thales Navigation (Carquefou, France, and Santa Clara, CA, USA) [GPS products known worldwide as Magellan], and Thales Telematics: Positioning navigation and survey solutions. **Secure Operations Business Group.** (locations in France, Germany, Spain, UK, and USA): E-transactions, security products, personal identification systems, customer contact services and integration of security systems. **Services and Solutions Business Group.** (France, UK, USA): Telecom services, broadcast and multimedia advice for industries and services.

### Subsidiary:

**African Defense Systems** (South Africa): Develops, engineers, manufactures and integrates advanced electronics systems for the South African National Defence Forces. Also provides training simulation services, customer service and logistic support.

### Joint Ventures:

**ADI Ltd.**, partner: Transfield (Australia). **Bayern Chemie**, partner: EADS (The Netherlands). **Diehl Avionik Systeme**, partner: Diehl (Germany). **Electronica**, partners: Finmeccanica and M. Benigni (both Italy). **Protac**, partner: EADS (The Netherlands). **Samsung Thales**, partner: Samsung Defense Systems (South Korea). **TDA Armaments** (Vélizy, France): partner: EADS (Germany). **Thales Raytheon Systems**, partner: Raytheon (USA). **UDS International**, partner: DCN International (France). **UMS**, partner: EADS (The Netherlands).

### FINANCIALS (\$ MILLIONS)\*:

	2000†	2001	% Change
Operating Revenues	8,083	9,097	13%
Operating Expenses	7,555	8,506	13%
Net Profits	189	(324)	(271%)
Net Financial Indebtedness	1,749	1,297	(26%)

\*AW&ST conversion based on exchange rates available on 12/31/00 and 12/31/01.

†Values updated from 2002 Source Book.