



Honeywell

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Employment: 115,000

Officers:
Chairman, President & CEO, Honeywell International Inc. David M. Cote; **Aerospace President & CEO** Robert D. Johnson; **President, Aerospace Electronic Systems** Dean M. Flatt; **President, Aerospace Services** James D. Taiclet; **President, Engines Systems & Services** Steven R. Loranger; **President, Federal Manufacturing & Technologies** Dave Douglass

Aerospace Organization/Products:

Aerospace Electronic Systems (Phoenix, AZ, USA):

Produces advanced electronics and avionics for military aircraft, defense and space systems, large and regional air transports, business aircraft and general aviation. Makes systems for communications, navigation and flight control; weather and navigation systems for collision avoidance, ground proximity warning and runway management. Manufactures voice and data recorders and wind shear radar. Produces microwave landing and electronic systems, flight guidance and control systems, sensors and components, automatic test systems, cockpit display systems, aircraft lighting and aviation safety equipment.

Aerospace Services (Phoenix, AZ, USA):

Aviation Aftermarket Services: Inventory and logistics services, customer support, ground support equipment, maintenance, repair and overhaul services, product and Six Sigma training, technical publications and spare parts for the commercial market. **Customer Operations Group:** Provides 24-hour, 365-day customer service and technical support. **Hardware Product Group:** Makes consumable hardware including airframe, engine and equipment fasteners, chemical products, electrical components, electromechanical components, hardware, industrial MRO products and sealing products. **Honeywell Technology Solutions Inc. (HTSI):** Provides technical services including data acquisition; configuration management; development and operation of ground, sea, air and space-based tracking facilities; flight control services; information technology operations; training; logistics management and testing; and calibration of complex systems. **Support Chain Services:** Supplies customer and commercial support, ground support equipment inventories, logistical alliances, technical publications and data distribution.

Aircraft Landing Systems (South Bend, IN, USA):

Designs and produces wheels, brakes (carbon and steel) and brake control systems for the 717, 727, 737, 737NG, 747, 767, 767-400, 777, A300, A310, A330, A340, A340-500/-600, B-2, B-52, DC-8, F-15, F-15E, F/A-18C/D, F/A-18E/F, F-22, KC-135, MD-11 and MD-80, as well as high-performance friction materials.

Engines Systems & Services (Phoenix, AZ, USA):

Supplies engines for business, general and regional aircraft engines; manufactures auxiliary power units for air transports; also supplies aftermarket systems and service solutions. **Commercial Auxiliary Power Unit Enterprise:** Designs and produces commercial air transport regional and executive jet auxiliary power units (APUs). **Commercial Propulsion Enterprise:** Designs and manufactures AS900 series of turbofan engines, LF502/507 turbofan

engines, TFE731 turbofan and TPE331 turboprop powerplants.

Engine Systems and Accessories Enterprise: Designs and manufactures actuation systems; electromechanical interface devices and sensors; engine fuel control systems, including FADECs, hydro-mechanical units and pumps; integrated engine build-up systems; oil, air and fuel coolers; pneumatic control systems; start systems. **Environmental Control Enterprise:** Designs and manufactures integrated air management systems, pneumatic systems, air-cycle air conditioning systems, vapor-cycle air-conditioning systems, bleed air control systems, cabin pressure control systems, on-board oxygen generating systems, life support and thermal control systems, heat exchangers and cold plates, precoolers, cooling turbines, fans and blowers, liquid coolant pumps, pod cooling systems, ozone converters, electronic controls, smoke detection systems and valves (pressure regulating, shutoff, flow control, modulating, non-return butterfly and in-line). **Industrial and Marine Enterprise:** Provides the ASE 8, ASE 40, ASE 50, and ASE 120 industrial engines in the 500 KW to 10MW power class for configuration standby, and mechanical drive applications. Manufactures the TF 5, TF 15, TF 40, and TF 50 marine engines that cover the 500 - 10,000-shp. range for propulsion, on-board generation, ship start and secondary air systems for military patrol boats, landing craft and commercial ferries and yachts. **Military/Helicopter Enterprise:** Provides range of products for military and civil helicopter propulsion, airborne auxiliary power, fixed-wing aircraft propulsion and vehicular and ground power. Products include the T53, T55 and T800 (with Rolls-Royce) turboshafts.

Federal Manufacturing & Technologies (FM&T) (Kansas City, MO; Albuquerque and Los Alamos, NM, all USA):

Manages and operates facilities for the US Energy Dept. making non-nuclear components for nuclear weapsons.

Joint Ventures:

CEASA, partner: China Eastern Airlines (China). **CFE Co.**, partner: GE Aircraft Engines (USA). **Honeywell/TAECO**, partner: Taikoo Aircraft Engineering (China). **International Turbine Engine Corp.**, partner: Aerospace Industrial Development Corp. (Taiwan). **Light Helicopter Turbine Engine Corp.** (LHTEC), partner: Rolls-Royce (USA). **Nahuel**, partners: Alenia (Italy), EADS (The Netherlands). **Normalair-Garrett Ltd.**, partner: AugustaWestland (Italy, UK). **Rubix**, partner: Aviation Corp. Rubin (Russia). **Space Controls Alenia-Honeywell**, partner: Alenia (Italy). **Yamatake-Honeywell Co. Ltd.**, partner: Yamatake (Japan).

FINANCIALS (\$ MILLIONS):	2000†	2001	% Change
Operating Revenues	25,023	23,652	(6%)
Operating Expenses	21,487	24,074	12%
Net Profits	1,659	(99)	(106%)
Debt to Equity Ratio	—	—	—

† Values updated from 2002 Source Book.