



smiths

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Aerospace Organization/Products:

Smiths Aerospace:

Actuation Systems (Cheltenham, Isle of Man, Wolverhampton, all UK. Los Angeles, CA; Whippany, NJ; Yakima, WA, all USA). Dowty Propellers (Gloucester, UK and Sterling, VA, USA): Provides integrated systems in hydraulics and actuation, primary and secondary flight controls, high-lift systems, thrust reversers, landing gear and doors, and specialized utility actuators and propellers. **Customer Services** (Europe, North America, Pacific): Provides equipment repair and spare parts service for air-frame manufacturers, airlines and military forces. Service centers are located in Newcastle, Australia; Toronto, Canada; Singapore; New Addington, Cheltenham and London Heathrow Airport, all UK; and in Los Angeles, CA; Clearwater, FL; Wichita, KS; Grand Rapids, MI; Whippany, NJ; Dayton, OH; and Yakima, WA, all USA. **Electronic Systems**: Structured around platforms including air transport, combat fixed wing and rotorcraft. Supporting facilities include Cheltenham and Southampton, both UK. Yorba Linda, CA; Clearwater and Pompano Beach, FL; Rockford, IL; Germantown, MD; Grand Rapids, MI; Long Island, NY; Dayton and Vandalia, OH; Malvern, PA, all USA. Lodge Ignition (Basingstoke and Rugby, both UK). Micro-Circuit Engineering-MCE (Newmarket and Tewkesbury, both UK): Specialists in integrated systems including flight management/control, mission management and planning, data management, health and usage monitoring, crew information, navigation and guidance, electrical power management, fuel gauging and management, vehicle management, environmental control, proximity sensing, overhead panels, hybrids and microcircuits. **Naval and Marine Systems** (Shanghai, China; Arhus, Denmark; Rotterdam, The Netherlands; Singapore; Hainault, UK): Supplies naval and marine radar, ships'

Employment: 33,000 (12,000 aerospace; does not include Smiths Heimann)

Officers:

Chairman Keith Orrell-Jones; **Chief Executive** Keith Butler-Wheelhouse; **Managing Director, Aerospace** John Ferrie; **President, Electronic Systems** Robert F. Ehr; **Managing Director, Actuation Systems** Paul Strothers; **Managing Director, Precision Components** Peter Wright; **Managing Director, Smiths Detection** John Shepherd; **Managing Director, Marine Systems** Ron Nailor; **Managing Director, Customer Services** Michael Steel

integrated navigation systems and safety equipment, electronic chart display and information systems, and satellite and HF/MF/VHF communications. **Precision Components**: Structures business includes Hamble (Hamble-Le-Rice and Christchurch, both UK): Complete fluid transfer solutions in flexible, rigid or flex-rigid hybrid assemblies. High-technology engineering for defense applications from helicopter visual landing aids to explosive ordnance disposal equipment. Engine component businesses include Aero & Industrial Services (AIS) (Burnley and Nelson, both UK), Aero & Industrial Technology (AIT) and Combustion Technology Center (Burnley, UK), EBTEC Corporation (Agawam, MA, USA), KFW Canada (Orillia, Canada), King Fifth Wheel (Mountaintop, PA, USA), NCI Inc. (Asheville, NC, USA), Reynolds Rings (Birmingham, UK), Tri-Industries Inc. (Terre Haute, IN, USA), Tru-Form Inc. and Valley Manufacturing (Wilkes-Barre, PA, USA): Rotating and static gas turbine engine components from intake to exhaust, ring manufacturer, precision machining and fabrication. Tubular systems businesses include Titeflex (Ozoir-la-Ferriere, France. Oceanside, CA; Springfield, MA, both USA) and Lewis & Saunders (Laconia, NH, USA): Major structures and airframe components including wing leading- and trailing-edge components, empennage components and cargo doors and complete canopies and windscreens. **Smiths Detection**: (Mississauga, Ontario, Canada; Roissy, France; Kuala Lumpur, Malaysia; Crawley and Watford, UK; Baltimore, MD, and Warren, NJ, both USA): Provides detection and monitoring of chemical and biological agents, and air quality and systems for aviation security. **Smiths Heimann** (Weisbaden, Germany): Produces x-ray inspection systems; provides digital imaging, biometric systems and product inspection equipment.

FINANCIALS (\$ MILLIONS)*:

	2001 [†]	2002**	% Change
Operating Revenues	4,558	4,467	(2%)
Operating Expenses	—	—	—
Net Profits	455	425	(7%)
Debt to Equity Ratio	129%	73%	(44%)

*Fiscal year ends on July 31. **Values do not include Smiths Heimann, acquisition of which was completed on December 2, 2002.

[†]Values updated from 2002 Source Book to reflect Smiths' merger with the TI Group in November 2000.