



KAWASAKI HEAVY INDUSTRIES LTD
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 Hamamatsu-cho, 2-chrome
 Minato-ku, Tokyo, 105-6116, Japan
 Tel: (81-3) 3435-2111
 Fax: (81-3) 3436-3037
 www.khi.co.jp

Employment: 28,642

Officers:

President and CEO Masamoto Tazaki
President, Aerospace Co. Takashi Sugoh
President, Gas Turbine and Machinery Co. Takashi Yoshino

Aerospace Organization/Products:

Aerospace Group (Tokyo, Japan):

Manufactures Boeing 737 wing in-spar ribs, 747 outboard flaps and 767 forward fuselage panels, overwing fuselage panels and wing in-spar ribs; Boeing 777 forward and center fuselage panels, keel beam, after wheel-well bulkhead, pressure bulkheads, cargo doors and wing in-spar ribs; winglets for Boeing 737-300/-400/-500; EMB 170/175/190/195 major wing components. Manufactures BK 117, CH-47J and OH-1 helicopters; Type 96 multipurpose missile system and antiarmor missiles. Overhauls C-1, C-130, E-2C and E-767 aircraft. Space-related products include payload fairing of H-2A rocket and Japanese Experiment Module (a part of the International Space Station). Is currently developing C-X (cargo aircraft) and P-X (ASW aircraft) for Japan, and participating in development of winglets for EMB 190/195.

Gas Turbine Div. (Tokyo, Japan):

Manufactures T53 and T55 turboshaft engines; components of the RB211, Trent 500, 700, 800 and PW4000, IAE V2500; components of the RE220 and 131-9 APUs; accessory gear box of the CF34-8/-10. Performs overhauls on LTS101, Marine Olympus, Marine Orpheus, Marine Spey and Tyne engines; transmission for BK 117 and OH-1; is currently developing an air-turbo ramjet engine.

Subsidiary:

Kawasaki Aeronáutica do Brasil Indústria Ltda (São José dos Campos, Brazil): Assembly of major wing section for the Embraer 195. **Kawasaki Helicopter System Co.** (Gifu, Japan): Transportation of passengers or cargo by helicopter; maintenance and repair of helicopters and flight training services; research, design and construction of heliports. **NIPPI Corporation** (Yokohama, Japan): Manufacture, maintenance and modification of aircraft and components; manufacture of rocket components, aerospace equipment, targeting systems, nondestructive testing systems and industrial fans.

FINANCIALS (\$ MILLIONS)*:

	2002	2003	% Change
Operating Revenues	8,589	10,313	20%
Operating Expenses	8,354	10,059	20%
Net Profits	47	108	130%
Debt to Equity Ratio	293%	245%	(16%)

*Fiscal year ends on March 31.



L-3 Communications
 600 Third Avenue, New York, NY 10016, USA
 Tel: (212) 697-1111; Fax: (212) 682-9553
 www.l-3com.com

Employment: 35,000

Officers:

Chairman and CEO Frank C. Lanza
President and CFO Robert V. LaPenta

Aerospace Organization/Products:

Aviation Products & Aircraft Modernization (Phoenix, AZ; Sarasota, FL; Greenville, TX; Waco, TX, all USA, and other locations in the USA and Canada):

Modernizes and acts as a systems integrator for aircraft including the P-3, C-130 and Special Operating Forces platforms as well as training and support aircraft. Furnishes airborne traffic and collision avoidance systems; commercial, solid-state cockpit voice recorders and flight data recorders; ruggedized displays for military and high-end commercial applications; aviation life-cycle management services including heavy maintenance and structural modifications and Head-of-State and commercial interior completions. Designs and manufactures general aviation safety systems; solid state and electromechanical standby systems; and advanced cockpit avionics. Provides engineering, modification, maintenance, logistics and upgrades for US Special Operations Command aircraft, vehicles and personal equipment.

Secure Communications & ISR (Camden, NJ; Greenville, TX; Salt Lake City, UT, all USA, and other locations in the USA):

Responsible for Compass Call, RiveJoint, UAV platforms such as Global Hawk, Predator, Shadow and U-2 as well as other intelligence, surveillance, reconnaissance and communication (ISRC) platforms. Provides secure communications data links for airborne, satellite, ground- and sea-based remote platforms. Supplies specialized fleet management and support that includes procurement, systems integration, sensor development, modifications and maintenance for signals intelligence and ISR special mission aircraft and airborne surveillance systems. Furnishes strategic and tactical signal intelligence systems; secure telephone and network equipment and encryption management; and communication systems for surface and undersea vessels and manned space flights. Developing network-centric communications. Provides bridge control radio room for naval vessels.

Specialized Products (Anaheim, CA; San Diego, CA; Cincinnati, OH, all USA, and other locations in the USA):

Supplies products to military and commercial customers in markets that include acoustic undersea warfare products for mine hunting; dipping sonars and anti-submarine warfare; naval power distribution, conditioning, switching and protection equipment for surface and undersea platforms; telemetry, instrumentation, space and guidance products that include tracking and flight termination; fuzing products and microwave components. Supplies merchant market with guidance products that use GPS, micro-electromechanical systems (MEMS), fiber optics and ring laser gyroscopes for weapons and space. Also produces explosives detection systems for checked baggage at airports, high-performance antennas and ground-based radomes, and training devices and motion simulators.

Training, Simulation & Support Services (Washington, DC, and Arlington, TX, both USA, and other locations in the USA)

Supplies training services for air crews, navigators, mission operators, gunners and maintenance technicians for platforms that include military fixed- and rotary-wing aircraft, air vehicles and various ground vehicles. Provides communication software support, information services, engineering development services and integration support; high-end engineering and information support services for command, control, communications, computers and ISR architectures; air warfare modeling and simulation tools for US Defense Dept. and US government intelligence agency applications that include missile and space systems, unmanned aerial vehicles and military aircraft. Develops and manages teaching, training and education, logistics, strategic planning, organizational design, democracy transition and leadership development programs. Designs and produces ballistic missile targets.

FINANCIALS (\$ MILLIONS):

	2001†	2002	% Change
Operating Revenues	2,347	4,011	71%
Operating Costs & Expenses	2,232	3,799	70%
Net Profits	115	212	84%
Debt to Equity Ratio	0.8%	1.1%	38%

†Values updated from the 2003 Aerospace Source Book.