AVERAGE WORK FORCE: Technicians – 24
Engineers – 25
Others – 600

GROSS SALES: 1986 – $40.0M
1987 – $45.0M

PLANT SIZE: 196,000 Sq Ft
(including 8,000 Sq Ft class, 100,000 clean room)

EQUIPMENT: Equipment includes: in-house computer systems IBM 36, 2 IBM PCs, 2 Zenith and 1 IBM PS2 model 30; HP 9845B computer, PH 85 computer, CAD system, HP computer 200, HP computer 300, AB size plotter 7475A, CD size plotter 7920, and photo plotter GSI 3244.

EXPERIENCE: Customers include: Autonetics Strategic Systems Division, Honeywell Inc., Hughes Aircraft Co, Martin Marietta Aerospace, Motorola Inc., McDonnell Douglas, Loral Date System, Avco System Division, Boeing, General Dynamics, Lockheed Missiles & Space Company Inc., Litton Systems, Northrop, TRW, Amphenol, and Canadian Marconi.

KEYWORDS: Filter Manufacturer; Ceramics; Filter Design; Environmental Testing; Qualified Test Facility; EMI Filter; Connector Filters; High Voltage Power Supplies; Low-Pass Filters.

REVISED: February 88

MYRIAS RESEARCH Corp

ADDRESS: #900, 10611 – 98th Avenue
Edmonton, Alberta, Canada
T5K 2P7

CONTACT: Dr Martin Walker, Director of Planning – (403) 428-1616

HISTORY: Myrias Research Corp is a Canadian-owned corporation established in 1982 to design, manufacture sell and service computer hardware and software for high-speed parallel computing.

CAPABILITY: Myrias Research Corp is developing a very high-speed parallel computing system. The minimal configuration has 64 microprocessors (Motorola 68020 (16.7Mhz) and 256 MBytes of memory. Many defense applications such as transonic shock and multidimensional flows, and scalar problems such as ray tracing (for sonar analysis), are well suited to the system. The Myrias Parallel Computing System has the first truly expandable computer architecture. Up to 8 times the minimal configuration can be configured to meet much higher speed and larger memory requirements.

Myrias parallel Fortran provides a single extension ("pardo") to Fortran 77, which makes the Myrias Parallel Computing System very easy to program. Scheduling and load-leveling are automatic and transparent. The Myrias Parallel Computing System is physically small and consumes little power, so no elaborate cooling system or other expensive support is required. The architecture of the Myrias Parallel Computing System enables system performance to be improved as the microprocessors and memory on which it is based become faster and more capable, while the system presents a constant unchanging interface to user programs.

AVERAGE WORK FORCE: PhD – 5
MSc – 9
Engineers – 3
BSc – 23
(Non Technical)
BComm – 1
BA – 1
MA – 1

GROSS SALES: No Data

PLANT SIZE: 24,000 Sq Ft

EQUIPMENT: Complete digital electronics laboratory and facility. In-house tandem VAX 11/750s, Pyramid 98X, Sun 3/160, Sun 3/180 file servers, and networked Sun 3/50s; 512 PE prototype Myrias System.

KEYWORDS: Cartography Processing & Database; Computers; Computers (Parallel); Cryptography; Distributed Processing; Meteorology; Parallel Processing; Quantum Chemical Modelling; Reservoir Modelling; VLSI Simulation.

REVISED: January 88

NATIONAL ENGINEERING & SCIENCE ASSOCIATES Inc

ADDRESS: 367 Water Street
P. O. Box 1
Stratford, Ontario, Canada
N5A 6S8

CONTACT: Ms Kathleen Engberg, Director of Marketing – (519) 271-6710

HISTORY: National Engineering & Science was founded in 1978. In 1983, it purchased its manufacturing division (Jones 83 Mfg Co) in Stratford and proceeded to develop its abilities in production of electronic cabinetry including shielded enclosures. In 1987, shielded rooms were developed.

CAPABILITY: National Engineering & Science designs and manufactures shielded enclosures including modular rooms through use of CAD/CAM, CNC/DNC turret punch press and brake bending, and welding to Canadian standards.

AVERAGE WORK FORCE: Engineers & Science Degrees – 3
Drafting & Programming – 2
Others – 15

GROSS SALES: 1986 – $1.2M
1987 – $1.9M

PLANT SIZE: 27,000 Sq Ft

EQUIPMENT: CAD/CAM, PC based MIS, CNC 56 station turret punch press, CNC brake (braking to 300 tons), stamping presses to 225 tons, MIG and TIG welding in steel and aluminum, spot welding to 90KVA in steel, and batch painting system.

EXPERIENCE: Present customers include: the Canadian Government as well as other NATO requirements. We are interested in accessing the US Military market as well as the State Department (Embassies) and other departments interested in maintaining communications security.

KEYWORDS: TEMPEST Enclosures; EMI-NEMP-EMP Shielding; Red-Black Enclosures; Shielded Rooms; Modular Design; Portable Shielded Rooms; Sheet Metal Fabrication.

REVISED: March 88