

## DY-4 Systems Inc.

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KEY PERSONNEL:  
Garry Dool, President  
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Marketing, Sales  
Kim Clohessy, Vice President,  
Technology

Since its inception in 1979, DY-4 has gained acceptance in a variety of market sectors, including telecommunications, that demand high-quality, reliable VMEbus multiprocessing system products.

DY-4 products are many: boards, chassis, system-level diagnostics, real-time operating systems and application software. All are supported by program management, integrated logistics support, configuration management, quality assurance and computer-integrated manufacturing.

In the telecommunications field, DY-4, under contract to Puslitbang KIM-LIPI of the Indonesian Institute of Science, jointly designed and manufactured VME computer and communications modules for an automatic message-accounting (AMA) system for the Indonesian telephone company, Perumtel. The AMA system is a complete turnkey, call-billing recording system. The system enhances existing telephone and telex exchange equipment by providing accurate call information on a per-subscriber basis. The information is subsequently processed by Perumtel into telephone bills.

Each system consists of central processing equipment that collects and records call data from up to 16 exchange terminals. The exchange terminals are located in the telephone exchanges and collect data from up to 14 000 subscriber lines. At the heart of the system are DY-4 DVME cards, chassis and a considerable amount of software running the Harmony real-time operating system to collect data from specially designed subscriber line interface cards and record it on hard disks and nine-track tape drives.

The initial AMA system covers 190 000 subscribers in five major Indonesian cities.

## EDA Instruments Inc.

4 Thorncliffe Park Drive  
Toronto, ON M4H 1H1  
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KEY PERSONNEL:  
Michael Roman-Barber, President  
Geoffrey Bennett, Executive Vice President  
Bill LaHam, International Sales Manager

EDA Instruments manufactures data communications products that are primarily suited for the packet switching market: assemblers/disassemblers, switches and statistical multiplexers and instruments for geophysical, environmental earth physics and mining/milling applications.

## Electro Arts Ltd.

235 Nugget Avenue  
Scarborough, ON M1S 3L3  
Telephone: (416) 293-1147  
Telex: 065-26118  
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KEY PERSONNEL:  
R.A. Zappacosta, President  
Justin Beaudet, Marketing Manager

Electro Arts Ltd. specializes in the design and manufacture of telephone central office equipment for data and voice applications. The primary product is DVACS, which includes hub cards, VF bridge cards, TDM cards, access cards and subsets (modems).

The company, which has been in business in Canada for 18 years, has custom manufactured systems for most major Canadian telephone companies and carriers. Electro Arts is currently expanding into the U.S. market.

## Electroline Television Equipment Inc.

8750 - 8 Avenue, Suite 2  
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KEY PERSONNEL:  
Mitchell Olfman, President,  
Chief Executive Officer  
Henri Bertemes, Marketing Vice President

Electroline Television Equipment manufactures cable TV equipment: addressable systems, power dividers, directional couplers, filters, power inserters, amplifiers, rf-rf equalizers; LAN-wiring devices; security systems; hospital and hotel television; and pay TV systems. Bandwidth of most equipment is in the 5 to 600 MHz range.

## Elinca Communications Ltd.

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Pierre Demers, President and General Manager  
Gaëtan Danis, Vice President,  
Marketing

Elinca Communications Ltd. is a systems integrator and turnkey supplier of terrestrial and satellite communications equipment, air traffic control and coastal communications systems. As a consortium comprising a number of Canadian equipment manufacturers, Elinca can supply a vast array of telecommunications products: HF, VHF, UHF, cellular transmitters/receivers; antennas, transmission lines and accessories; microwave satellite earth stations, satellite subsystems; data transmission systems; weather, air, marine radars; radio relays; mobile telephones; and radio and TV broadcast transmitters, as well as studio-to-transmitter links of air retransmission.

The consortium has strong engineering and telephone network management expertise so that it can offer