

DIPIX SYSTEMS Ltd

Code: DIP

Address: 1785 Woodward Dr
Ottawa, Ontario, Canada K2C 0P9

Contact: Mr. R Cobold, Dir of Marketing – (613) 224-5175

History: Dipix is a Canadian owned company incorporated in September of 1978. They are presently represented on a world-wide basis by various companies. US offices are at: DIPIX Inc, Rivers Center, 10220 Old Columbia Rd, Columbia, MD 21046, Contact: Mr. L Robert (301) 596-0505.

Capability: Dipix Systems Ltd has an established capability in the field of digital image processing for remote sensing and digital terrain mapping applications. The company has developed a powerful family of image analysis systems capable of processing imagery from satellite data (e.g., Landsat), digitized imagery (e.g., Photographic), cartographic (Map Digitizer), seismic, and other sources. Dipix engineers, analysts and programmers have designed many unique features into its systems. As a result, the company has been able to establish and maintain a leading market position with export sales around the world.

Central to Dipix's highly regarded position in the image processing field, is its extensive technical and analytical experience in developing applications and utility software to address user operational needs. Dipix has an enviable in-house research and development track record. The ARIES-II Digital Image Analysis System was developed from scratch over a two year period.

Average Work Force: PhDs – 4
Masters – 6
Bachelors – 30
Others – 55

Gross Sales: FY 81 – \$3.4M
FY 82 – \$5.0M
FY 83 – \$7.5M (Projected)

Plant Size: 30,000 sq ft (new facility – Nov 82)

Equipment: Dipix has a full range of modern test equipment including a VAX-750 DEC computer, as well as a number of Dipix ARIES-II Systems used for program and engineering development.

Experience: Dipix personnel have many years of experience in digital image analysis going back to the early 1970s. The six original founders of the company were involved in the design and building of the ground station in Italy, as well as the original Aries image analysis system for the Canadian Forestry Service. Dipix has had a close relationship with the Canada Center for Remote Sensing, where they have been contracted for both hardware and software development. At present, Dipix has in excess of fifty turnkey digital image analysis systems installed world-wide. The largest of these systems are in Indonesia, Holland, and Canada.

Keywords: 7 = Electronics; 10 = Image Processing & Optics; 17 = Software Service; 18 = Space Systems; Digital Image Analysis = 7, 10, 18; Turnkey Systems = 7, 10, 18; Software Development = 17; Hardware Development = 7, 10, 18; Transmission of Digital Imagery = 7, 10, 18; Storage of Digital Imagery = 7, 10, 18; Image Processing = 7, 10, 18.

Revised: Dec 83

DMR and ASSOCIATES

Code: DMR

Address: 112 Kent St., Suite #2218
Ottawa, Ontario, Canada K1P 5P2

Contact: Mr. Neil Mustard, Senior Consultant – (613) 238-2697

History: DMR is a Canadian owned company incorporated in 1973 with offices in Vancouver, Edmonton, Calgary, Toronto, Ottawa, Montreal, Quebec City, St John, and Halifax, as well as international offices in the US, Australia and Singapore. The US office is located in Boston with a Project Office in Los Angeles.

Capability: DMR provides consulting services exclusively in the field of information and data processing systems. They provide a broad range of services which can be placed under three main categories – Management consulting, technical, and project management. Approximately half of the DMR staff are consultants and project managers who provide advice and direction to client management. The remaining staff is comprised of experienced technical personnel, including computer software specialists, analysts, and analyst-programmers. They promote the use of structured methodologies and strong project control in all activities. A cross section of the services provided is as follows:

Management Consulting – organization planning, requirements analysis, feasibility studies, and executive education.

Technical Services – hardware/software evaluation, selection, and acquisition; data base systems; data communications systems; and data acquisition systems.

Project Management – Systems evaluation, analysis and design; development and implementation of computer systems; and office automation.

A unique feature of DMR and its employees is that they maintain full independence from all hardware, software and computer service suppliers. This gives the consulting staff the freedom they require to act on behalf, and in the best interests of the client, particularly in regard to the evaluation and selection of products and services.

Average Work Force: Professionals – 500
Support Staff – 80

Gross Sales: 1979/80 – \$12M
1980/81 – \$18M
1981/82 – \$27M

Plant Size: 60,000 sq ft (Office Space across Country)

Experience: During the past eight years over one thousand contracts involving over six hundred clients have been successfully completed by DMR for both private industry and government. Contracts included:

Canadian Department of Transport: Designed/programmed various aspects of the Gander Automated Air Traffic System (GAATS-2); performed major programming enhancements to the National Flight Data Processing Systems (NFDPS) for various aspects of Air Traffic Control; and analyzed communications interface requirements between Flight Display Systems (FDS-COM) and Joint Enroute Terminals System (JETS).

Canadian Department of National Defense: Performed feasibility studies in the areas of – (1) Computer based telemetry system for CF-18 Weapons Clearance Program at Cold Lake, Alberta; (2) Replacement of radar driven plot boards and cameras by graphics display packages; (3) Hardware and software modification requirements to update radar tracking and telemetry recording system at Cold Lake; and (4) Hardware and software requirements to make the New Brunswick Optical Satellite Tracking System Operational. Im-