

plemented systems in the following areas – Cold Lake radar simulation program, and modifications to the Cold Lake radar tracking and telemetry recording system software; and real time data acquisition, display and control systems for New Brunswick Optical Satellite Tracking System.

Keywords: 1 = Aircraft; 5 = Communications; 6 = Computers; 7 = Electronics; 15 = Radar; 17 = Software Services; 18 = Space Systems; Consulting = 5, 6, 7, 15, 17, 18; Studies = 5, 6, 7, 15, 17, 18; Systems = 5, 6, 7, 15, 17; Data Acquisition = 17; Data Processing = 17; Air Traffic Control = 1, 17; Radar Simulation = 15, 17; Radar = 15, 17; Measurement & Control Systems = 7; Ground Stations = 17, 18.

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DOCUMENTED CIRCUITS Inc

Code: DCI

Address: P. O. Box 8, Station "A"
Kingston, Ontario, Canada K7M 6P9

Contact: Mr. D J Mercer, General Manager – (613) 389-1032

History: DCI was incorporated in June 1980 and was fully operational during January 1981. The company is Canadian owned and operates from the design and manufacturing facility located in Kingston. Sales representatives are presently located in Toronto, Montreal, Ottawa, and Cleveland, OH.

Capability: The combination of sophisticated software, state-of-the-art hardware and experienced personnel enable DCI to provide reduced turnaround times, accurate phototools and complete compatible documentation packages at competitive prices. DCI provides a total service to industry including:

- Printed circuit design utilizing a powerful interactive CAD system.
- The color coded layout method of printed circuit board design.
- Digitizing and photoplotting from customer supplied color coded layouts.
- Photoplotting output tapes from customers CAD systems.
- PCB design consultation services.
- Assembly drawings.
- Component lists.
- Auto insertion reports.
- Test fixture reports.
- N/C drill tapes in Excellon, Trudrill and Digital formats.
- Precision phototooling for component and solder sides, silk screen, solder resist and drill graphic plots.
- Magnetic tapes to drive the multiwire process.

DCI will be manufacturing and marketing computer-aided engineering and design systems for the electronics industry. Their main objectives will be to:

- Offer industry state-of-the-art computer assisted printed circuit design and documentation.

- Manufacture and market a computer-aided engineering and design software system.

DCI has the capability to work to MIL, IEEE, JIC, IPC, and ANSI standards and specifications or to customer defined parameters.

Average Work Force: Design technicians, training and applications personnel, software development and support engineers, plus an experienced management team for a total staff of 44.

Gross Sales: 1981 – \$.8M
1982 – \$1.3M
1983 – \$1.4M (Projected)

Plant Size: 17,000 sq ft

Equipment: The following equipment is employed by Documented Circuits Inc:

- Digital Equipment 2060 Computer with 512K of memory.
- RP06 Disk Packs.
- TU77 Magnetic Tape Drive.
- LA120 Printer Terminal.
- 1055 Calcomp Pen Plotter.
- Digital Equipment: LP20 Line Printer.
- (6) Digital Equipment VT100 Terminals.
- (6) Tektronix 4014 Graphic Terminals.
- (2) 8602 Talos Digitizing Tables.
- (3) Gerber Scientific PC-800 Digitizing Systems.
- 732B Gerber Scientific Photoplotter with a 48"x60" bed.
- Gerber Scientific 4300 Controller.
- (2) Digital Equipment VAX series 730 computers.
- (1) Digital Equipment VAX series 750 computer.
- (3) Orcatech raster graphics terminals.

Phototools are produced, inspected and packaged in a controlled environment.

Experience: DCI has processed designs for companies in the telecommunications, computer, medical, aerospace, and commercial electronics fields. Some of the major accounts include – Rockwell International, Northern Telecom Ltd, Spar Aerospace, and AES Data.

Keywords: 7 = Electronics; 17 = Software Services; CAD PC Design = 17; CAD/CAE Systems Software = 7, 17.

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DOUSERV GROUP INC

Code: DOU

Address: 1200 McGill College Ave, Suite #1930
Montreal, Quebec, Canada H3B 4G7

Contact: Mr. G Raymond Doucet, PEng, President – (514) 866-5836

History: The DOUSERV GROUP Inc was founded in 1974 by G Raymond Doucet as Doucet & Associates Consulting Ltd. The company evolved through acquisition and development of other firms leading to the establishment of offices in several Canadian cities and in the US. Incorporated in 1980 as DOUSERV GROUP Inc, the parent company along with its associated firms are well established in the fields of communications, energy, industry, and transportation serving various clients in government, public utilities and the private sector. The headquarters are in Montreal, Canada with field offices in St John's, Newfoundland; Halifax, Nova Scotia; Quebec City, Quebec; Montreal, Quebec; and Dallas, TX.