

PAMAP GRAPHICS LTD.

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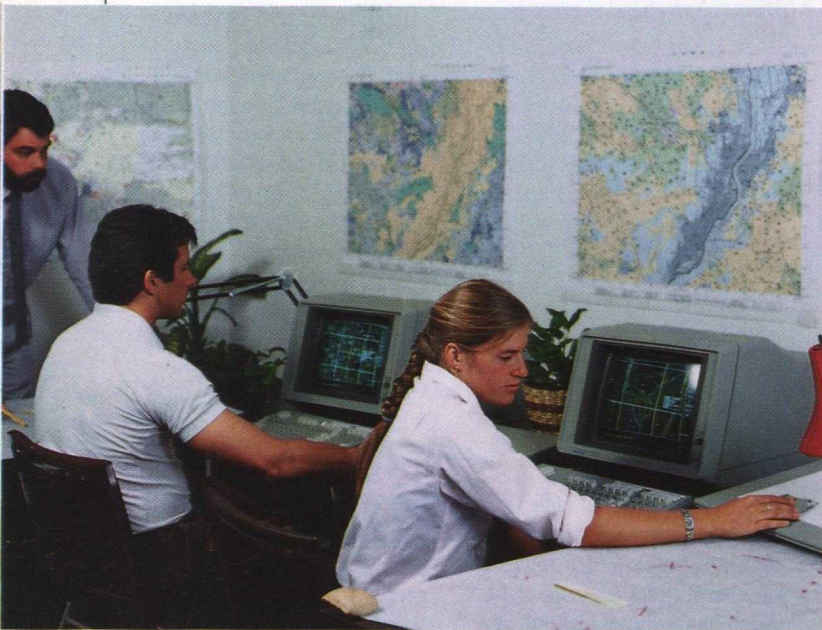
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Company background. PAMAP Graphics Ltd. is a high-technology company specializing in software development and information processing of land-use management and resource planning applications.

PAMAP has gained wide recognition, both nationally and internationally, in the application of remotely sensed data. Its products reflect the company's belief in the future of this data source.

The PAMAP geographic information system (GIS) has been designed to interface with image analysis systems.

Resource management. PAMAP's experience in resource management encompasses the following areas:

- image analysis
- geographic information systems
- land-use management
- computer-assisted mapping
- thematic mapping
- digital terrain modelling

The PAMAP geographic information system offers superb capabilities in data capture analysis.

Research and development. PAMAP maintains its role as a leader in the processing of geographic information via a very active research and development program. Together with agencies such as the Canada Centre for Remote Sensing and the British Columbia Ministry of Forests in Canada, the company is researching the areas of resource management in search of applications for remotely sensed data.

Company background. PCI, a wholly Canadian firm incorporated in 1982, has a staff of 25. The company develops computer software and computerized equipment for the analysis of digital image data, seismic and mapping data for use in resource management, environmental monitoring, geophysical exploration, land-use planning, weather data analysis, cartographic and other mapping. PCI has developed a unique set of software tools to simplify the interface between the scientific user and the computer. These tools can also greatly improve the productivity of computer programmers engaged in the development, modification or conversion of large, complex scientific applications software systems.

Products. The company developed the product EASI/PACE, a turnkey image analysis software package designed to be highly transportable so that it can be used on several different computer systems with a wide variety of image display devices.

The PAMAP geographic information system provides all of its mainframe functionality on microcomputer.

As an adjunct to EASI/PACE, PCI created the scientific software development tool EASI/IMP. It provides the utilities to assist programmers in developing complex scientific software systems more effectively, isolating machine dependent features to gain the transportability of EASI/PACE, and in isolating the application programmer from man-machine interaction considerations. This product provides automatic on-line HELP and manual generation from in-code documentation, and consistent user interface and error handling. EASI/IMP led PCI (in co-operation with Roy Ball Associates of Ottawa) to develop IMAVISION, a low-cost, turnkey image analysis system based on the IBM PC-AT.

PCI has recognized the strong tendency to couple digital image analysis capabilities with the rapidly growing use of geographic information systems (GIS) for resource management. All levels of government, as well as private industry engaged in resource management and environmental monitoring, are changing their operation from paper map base to digital information systems. To take advantage of this trend, PCI is now implementing a series of GIS to operate on modern computing equipment. Three levels of the product will be released: an enhancement to the image analysis software in October 1986, followed by two versions of stand-alone GIS to be released in the spring of 1987 and 1988.

Services. PCI has recently initiated service-oriented activities. Using in-house equipment, it is offering resource management consulting services, digital image analysis services and an expanded range of training courses.

