

## **FULCRUM TECHNOLOGIES INC.**

### **COMPANY OVERVIEW**

Fulcrum Technologies markets Canadian high technology products around the world.

Company principals have held senior technical and management positions in a number of corporations, and have specific expertise in all aspects of electronic information publishing.

Fulcrum monitors developments throughout the industry to identify products that combine technical excellence with the potential for wide application. Working with the original creators, Fulcrum provides strategic and technical guidance together with the product management and marketing expertise required to achieve this potential.

Fulcrum has selected the FBN NAPLPS software decoder as its first product offering to the videotex and computer graphics industries.

### **EXPERIENCE**

The professional staff of Fulcrum have worked together since 1976, and have assumed project management responsibilities for a wide variety of assignments. In addition to a number of turnkey mini and microcomputer information processing and analysis systems, key projects include:

- The development of specialized portable display terminal hardware and software.
- The design and implementation of highly sophisticated textual informa-

tion retrieval systems used across North America.

- The specification of the control software for the full frame digital video picture processing unit now in use at NASA for real time video processing from the space shuttle.
- The overall project responsibility for design and development of a 16-bit commercial microcomputer system.
- The overall project responsibility for the development of a cable-television-based telesoftware delivery system.

### **PRODUCTS AND SERVICES**

FBN NAPLPS is Fulcrum's product entry in the computer graphics/videotex field. This software resides in a personal computer and implements full NAPLPS display capability on an integral display screen.

The initial version of this program operates on the IBM Personal Computer. Although the colour graphics capability of the IBM Colour/Graphics Adaptor is quite limited, this software produces a highly readable, distinct display for most current NAPLPS-based information services. FBN NAPLPS emphasizes readability of both text and geometric information.

As an end-user product, FBN NAPLPS includes a terminal communications package allowing access to NAPLPS-format information using standard modems. The entire program requires less than 64K bytes.

Fulcrum can also provide the FBN NAPLPS technology directly to hard-

ware manufacturers and systems integrators of personal computers and office workstations. Since the display software is implemented as a virtual device driver, application programs can display graphic images by writing NAPLPS Picture Description Instructions to the NAPLPS driver. FBN NAPLPS capability can thus be packaged on its own or incorporated into other brand name or proprietary products.

FBN NAPLPS was designed with an emphasis on compactness, speed and portability. Particular attention was paid to the requirement for rapid implementation on new generations of hardware.

### **FUTURE DIRECTIONS/ TARGET MARKETS**

Fulcrum believes that the NAPLPS technology can be used as a product building block for markets currently not aware of this technology.

The Fulcrum group has substantial experience in the development of advanced products in textual information retrieval, electronic publishing and micro-electronics. Employed as a standard communications protocol, NAPLPS can combine these separate technologies and open them into new markets of enormous potential.

The identification of specific opportunities is currently underway.

### **FOR MORE INFORMATION**

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