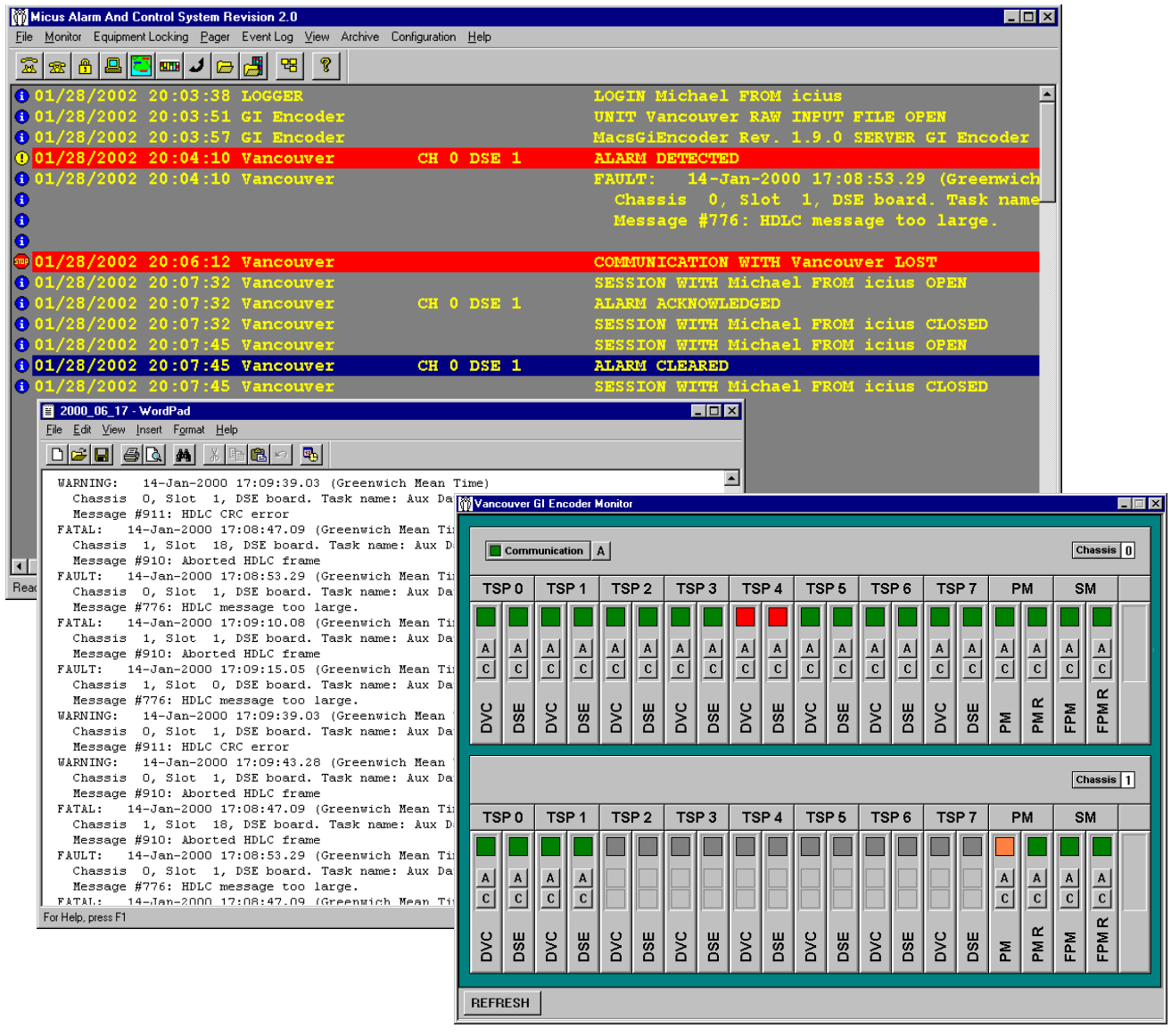
Micus Real Time Software Inc.
5863 Leslie St. Suite 127
Toronto, Ontario
M2H 1J8
Canada
Tel: (416) 493 3623
Fax: (416) 502 9083
E-mail: mikeb.micus@sympatico.ca

Micus Alarm and Control System (MACS)
GI Digital Encoders Monitoring



Use Micus Alarm and Control System to monitor your General Instrument DigiCipher II digital encoders from the comfort of your office chair!

Micus Alarm And Control System (MACS) is a computer based system which configures, controls and monitors various pieces of equipment, and collects and processes alarms generated by the equipment. Equipment operational status and controls are presented using user-definable graphical images, such as geographical maps, building layouts, equipment diagrams, equipment front panels, etc. In addition, all changes in the equipment status are reported in the textual form and saved in the event log files.

MACS is a multiuser system, implemented as a distributed client/server application, which runs either on a single computer or on a local or wide area TCP/IP network, under the Windows NT and/or Windows 2000 operating systems. The system is highly modular, thus allowing for rapid and easy customization, according to the specific application requirements.

Among other equipment, MACS supports collecting and monitoring alarms from the General Instrument DigiCipher[1] II digital encoders. To process alarms from a digital encoder, MACS receives all events from the encoder via a dedicated communication channel. It then saves encoder output in a set of encoder log files, created on daily basis.

Based on preset criteria, MACS decides which events reported by the encoder constitute alarm conditions. For example, all events that start with FAULT and FATAL keywords are considered alarm conditions. Once an alarm condition is detected, MACS displays a text alarm message in its main window, and automatically opens another window, which depicts the encoder reporting the alarm. From the encoder window, MACS operators can acknowledge and clear encoder alarms.

If no activity is reported by the encoder for an extended, user definable period of time, MACS alerts personnel about possible failure by triggering a communication alarm.

Each encoder requires a dedicated serial port on the MACS server. The number of encoders that can be monitored is limited only by the number of available serial ports. Windows NT operating system supports up to 255 serial ports.

For details on MACS, please refer to documentation available upon request. MACS GI Digital Encoder Equipment Module is available immediately from Micus Real Time Software Inc.

[1] DigiCipher II is a trademark of General Instrument Corporation.