



## PRESS RELEASE

**Visualisation that caters to application needs**

### **New HMI Terminals from Mitsubishi Electric**

**Ratingen, 24 April 2006 – Mitsubishi Electric is launching some new additions to its successful line of operating terminals. The new GOT1000 series, the third and most recent component of the Vision 1000 process visualisation concept, now includes a total of ten different models. In addition to this the company has also added six new models to the existing E1000 series of control terminals introduced in 2004, rounding out the lower end of the E1000 range.**

The GOT1000 series combines outstanding functionality with simple operation in a compact housing. Designed specifically for Mitsubishi Electric's automation products, these control terminals are particularly effective when used in combination with the company's compact and modular series of programmable logic controllers and as human-machine interfaces (HMI) for Mitsubishi Electric servo drives and frequency inverters. The GOT1000 series takes both simple and complex control and visualisation tasks in its stride and its proprietary operating system makes it particularly safe and reliable.

The current range includes ten different terminals: Eight network models with 8.4", 10.4", 12.1" and 15" displays and two entry-level models with serial ports and a 5.7" display. All GOT1000 units have a touch-screen user interface. The high-contrast TFT (Thin Film Transistor) screens with up to 65,536 colours are crisp and easily legible and enable variable and clear graphical representation of machines and processes.

The advanced functionality of these terminals is made possible by two high-tech components: a brand-new 64-bit RISC (Reduced Instruction Set Computer) microprocessor and a high-speed graphics processor. Other features of the series include generously-dimensioned memory with 3 or 9 megabytes (expandable up to 57 megabytes), a CompactFlash card slot for easy data storage and a front USB or Ethernet port for fast programming. When the cover of the USB port is closed the units have an IP67 protection rating (dust proof and resistant to brief immersion in water). Plant and machinery makers with international customers will also appreciate the multi-lingual interface and Unicode 2.1 support, which makes it possible to display complex international characters. Ten interface languages are currently available.

#### **New additions to the E1000 series**

Mitsubishi has added a full six new models to the E1000 series of control terminals, which are targeted primarily at small and medium-sized automation networks. The five existing E1000 models are higher-end terminals, with performance just below that of industrial computers. The five new terminals are smaller with adapted functionality, rounding off the range at the lower end. They have 3.5", 4.7" and 5.7" screens and depending on the version they have either touch-screen or function key operation and colour or monochrome display technology.

Powerful modern processor technology enables the new terminals to handle complex operation and visualisation tasks. The units also support remote access via the Internet and they can even function as web servers. The "heart" of the most recent models is an Intel XScale processor clocked at 312 megahertz, in combination with an integrated 32-megabyte StrataFlash memory chip, 64 megabytes of RAM and the Intel Persistent Storage Manager that provides reliable protection against data loss in the event of a power failure. The units use the MS Windows® .NET operating system.

The robust housing is made of die-cast aluminium and is designed for heavy-duty industrial environments with an IP66 protection rating (dust proof and resistant to water jets). All the models of the series impress with their ergonomic design, user-friendly operation, very slim design and minimum installation recess requirement.

### **Fast and simple programming and configuration**

Powerful software makes programming of the terminals much easier. Projects for the GOT1000 series are developed with the latest version of the GT Designer package. The object-oriented programming of the E1000 series is performed with the E-Designer package, which is now also available in an improved version. A wealth of ready-to-use graphics objects like switches, valves, lamps and pumps make it easy to get systems configured and running very quickly. During operation the special “transparent mode” makes it possible to upload new programs to proprietary automation components directly via the operating terminal.

### **The Vision 1000 concept**

Today's industrial users want detailed information and monitoring access to the control processes of their automated plant and machinery. Mitsubishi Electric's Vision 1000 concept caters to these needs with three series of control terminals, ranging from simple text-mode units to the powerful industrial PCs of the IPC1000 series. Together, the three series – the GOT1000, E1000 and IPC1000 lines – cover the entire broad spectrum of industrial automation needs.