



## THE GLOWCARD - A NEW WAY TO TAKE TEMPERATURES

**Singapore, 30 June 2003** – Singapore Technologies Electronics Limited (ST Elect) launched its first production run prototype GlowCard. This is a new temperature sensing device that retains and displays the temperature reading.

ST Elect is working with InfoWave Pte Ltd, an associate company, to produce and market the GlowCard. InfoWave has a good network of distribution channels in the local and global market which it will tap for the marketing and distribution of the GlowCard. ST Elect is working with Chartered Semiconductor Manufacturing, ST Assembly Test Services Ltd, Hi-P International Pte Ltd, GP Batteries International Ltd and Intelligent Micro Devices Pte Ltd to design, fabricate, calibrate and assemble the GlowCard.

The patent pending GlowCard, is slightly thicker than a credit card and was first previewed on 22 May 2003 at a Technology Seminar organised by the company. Utilising the CMOS semiconductor sensor chip, the GlowCard works like a digital thermometer. Temperature readings can be taken in just 6 seconds, compared to conventional thermometers that have a 30 to 60 seconds response time. The DSTA's (Defence Science Technology Agency) Defence Medical Research Institute has assisted ST Elect to conduct a comprehensive medical study to relate forehead temperatures to fever indications.

*“ The collective knowledge of electronics that is present within ST Elect has been harnessed for the development of the GlowCard, an entirely new product for temperature sensing for the human body. With options that offer a choice of LCD or coloured LED displays, the GlowCard meets the needs of various users allowing them to enjoy the benefits of multiple usages as well. The GlowCard can be worn with a clip or around the neck on a lanyard as a security or identity tag, it can also be used as a boarding pass for sea or air travel and when used by transport operators its temperature display offers a sense of confidence and security to commuters. We are also*

*targeting the GlowCard at the public and it is especially suitable for people in the service industry such as hotels, transport operators, service and sales staff, people working on work sites, etc. “*

**~ SEAH Moon Ming  
President, ST Elect**

A person would place the GlowCard against his forehead and the LCD panel will display the digital temperature reading clearly. The temperature reading will remain visible for about 3 hours, after which time the display will fade and a new temperature reading must be taken again. A reset button also allows the user to take a fresh temperature reading at any time within the 3 hours.

A second model of the GlowCard utilises LED indicators. Modelled after the traffic lights concept, the LED panels are green, amber and red. Green shows when the temperature taken indicates an absence of fever; amber would indicate a need to monitor and red that there is a fever.

### **About ST Elect**

ST Elect, a wholly-owned subsidiary of public-listed Singapore Technologies Engineering Ltd, is one of the largest electronics system houses in the region. ST Elect prides itself in delivering innovative system solutions to defence, commercial and industrial customers worldwide. It specialises in the design, development and integration of advanced electronics systems, such as broadband RF & microwave communication systems, rail & traffic management systems, real-time command & control systems, training & simulation systems, intelligent building management systems, and information security and m-commerce solutions. ST Elect applies leading edge technologies and design methodologies to meet the stringent requirements of customised electronics systems and solutions. It undertakes continuing research and development to help create cost-effective proprietary products at system and component levels, delivering innovative and quality solutions to customers. For more information about ST Elect please visit [www.stee.st.com.sg](http://www.stee.st.com.sg)

### **About InfoWave**

InfoWave is a joint-venture between CET Technologies, Trek 2000 and Melodeon. InfoWave aims to be the leading provider in the design and supply of mobile and wireless information devices, focusing on Telematics and Bio-Medical Electronics. Headquartered in Singapore, InfoWave's global market channels include US, Europe, Middle-East and Asia-Pacific.

InfoWave's Waveon™ telematics product range includes ruggedised handheld PDAs, in-vehicle terminals and industrial grade PC Tablets. Its Waveon 700 series in-vehicle terminals are recognised as a leading player in the global transportation market. The GlowCard is the first of the series of innovative bio-medical electronics product that the company is involved in developing. InfoWave started operations in August 2002 and is headquartered in Singapore. For more information about InfoWave please visit [www.InfowaveMobile.com](http://www.InfowaveMobile.com).

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Media Contact:                   Magdalen Loh  
  AVP / Head, Corporate Communications  
  Singapore Technologies Electronics Limited  
  Tel: (65) 6413-1788 / 9822 3321  
  Fax: (65) 6484-8840  
  Email: [lohImm@stee.st.com.sg](mailto:lohImm@stee.st.com.sg)