

**Media Inquiries:**

*Mitsubishi Electric Turkey PR Agency*

*Inomist Communication Consultancy*

*Sibel Selvi Arslantürk [sibel@inomist.com](mailto:sibel@inomist.com)*

*+90 216 639 60 16 / +90 533 441 80 33*

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**90-mm thin, patented NPP LED display provides high and uninterrupted picture performance**

**Mitsubishi Electric launches a new LED display for control rooms**

***Mitsubishi Electric, a recognized world leader in electronics known for the innovative products with the help of its vast experience on LED display technologies, launched NPP LED display, its new product featuring 1.5 mm pixel pitch designed specifically for command and control rooms. Launched at ISE 2017 in Amsterdam for the first time in Europe, NPP LED display provides an ideal solution for spaces in which installation area is restricted and ambient light is high by offering an impressive light output and contrast value with its frame as thin as 90mm. In addition to ensuring smooth LED light output and colour quality even under uninterrupted operation up to 100 thousand hours thanks to its anti-burn function, this new display ensures continuous vision thanks to its double-loop signal inputs and redundant power source.***

Mitsubishi Electric unveiled its new LED display customized for command and control applications for the first time in ISE (Integrated Systems Europe) 2017 Exhibition in Amsterdam on February 7-10, which will further reinforce its position as the manufacturer

of visual solutions providing high-tech clear display quality with high brightness and vivid colours. Developed in more than two years by electric and electronic giant Mitsubishi Electric with 30 years of experience in LED display technologies, NPP LED display is distinguished for its thin frame, high picture quality and long operating life



### **Constant colour quality even under uninterrupted operation up to 100 thousand hours**

Mitsubishi Electric's new NPP LED display comes with various patented features that guarantee ideal imaging solutions for interior spaces such as control rooms where long operational lifespan and durability are critical requirements. NPP LED display delivers high picture quality without any deterioration in LED light output and colours even under 24/7 operation continuously up to 100 thousand hours.

### **90mm thin frame 1920 x 1080 pixel Full HD resolution**

Operating harmoniously with schematic applications similar to SCADA, NPP LED display is ideal for spaces in which installation area is restricted and ambient light is high as it offers an impressive light output and contrast value with its frame as thin as 90mm. NPP LED is comprised of 480mm x 540mm LED units offering Full HD resolution of 1920 x 1080 pixels. The new model comes with 130" diagonal and 1.5mm pixel pitch screen, with each pixel composed of 3-in-1 SMD LED packages. It is possible to have service access to the product from both front and rear parts in addition to adding extra units to ensure fast and practical creation of a wider system.



## **Long-term operator comfort**

The innovative NPP LED display offers continuous operation even in case of an unlikely power failure in a LED unit thanks to its double-loop signal inputs and redundant power source. Dynamic power consumption feature optimizes power consumption by assessing the lighting value required for the image according to the power output. Thus, it reduces “eye fatigue” which is a common problem in control rooms in order to promote long-term operator comfort. The new NPP LED display features Mitsubishi Electric’s “Natural Colour Matrix” in addition to the 2-dimensional noise reduction system meant to minimize noise coming from compressed images in some motion video files such as MPEG video.

## **About Mitsubishi Electric Corporation**

*With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavours to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,394.3 billion yen (US\$ 38.8 billion\*) in the fiscal year ended March 31, 2016. For more information visit: [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)*

*\* At an exchange rate of 113 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2016.*

## **About Mitsubishi Electric Turkey Operations**

*Mitsubishi Electric concentrates on sales and after-sales services for HVAC systems, factory automation systems, CNC-Mechatronics systems and advanced robot technologies in Turkey. In addition, the company provides support for satellite, elevator, visual data systems, power sources and transportation-based infrastructure projects. Mitsubishi Electric, the acknowledged manufacturer of Turksat 4A and 4B satellites contributing to communication and broadcasting infrastructure of Turkey and neighbouring countries, is also recognized for the automation technology used for Marmaray project. Having incorporated a company for development and manufacturing of room air-conditioners in Turkey in April 2016, Mitsubishi Electric intends to start manufacturing operations in Manisa plant by January 2018. For more information visit: [www.mitsubishielectric.com.tr](http://www.mitsubishielectric.com.tr)*

***About Mitsubishi Electric Visual Imaging Systems***

*Unveiling the world's first large-scale Diamond Vision LED videowall screen in 1980 at Los Angeles and qualifying for Guinness Records Book with the longest videowall screen in the world in 2010, Mitsubishi Electric provides a wide range of products capable of high brightness, vivid colours and extremely high resolution thanks to its innovative technologies. <http://tr.mitsubishielectric-displaysolutions.com>*