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## **LED Replacement cubes transform studio set.**

Bulgarian systems integrator, UNIVERSAL K Ltd, completed a landmark refit of the Bulgarian Television's prime-time news show using LED-lit DLP cubes from Mitsubishi Electric. The new cubes, which replaced six mercury lamp-lit cubes, were installed in just one morning. As well as improved performance, the LED technology has delivered a dramatic reduction in running costs for bTV, Bulgaria's state broadcaster.

Rear projection has been an integral part of the multi-award winning This Morning show since its beginning in 2006. However the live television environment presented challenges for the mercury lamp-lit cubes. The bright studio lighting meant the cubes had to be run at maximum brightness, which shortened lamp life. The fragile lamps were easily damaged and the changing light characteristics as they aged meant regular maintenance was required.

The latest LED lighting technology avoids these problems, while greatly reducing running cost by removing the need to regularly replace lamps. To help customers upgrade to LED, Mitsubishi Electric produces a range of replacement LED projectors which allow existing customers to upgrade their legacy DisplayWall systems. Doing so offers numerous advantages: The light sources in Mitsubishi Electric cubes are rated for up to 100,000 hours of maintenance-free use, offering an immediate reduction in running costs. LED's are solid state devices, and so are much more resilient to physical disturbance. The light output from LEDs is much more constant over its lifespan, and the colour gamut is wider, making them easier to use in studio conditions.

Following Universal K's upgrade the results were immediately apparent. Along with improved colour performance Universal K was able to reduce screen brightness to the minimum setting for the LED cubes thereby reducing power consumption and further extending the lifespan of the LED projectors.

The newly-refurbished Mitsubishi Electric Display Wall system has been unanimously well received by both technical personnel and management at bTV.

Less than two months after completing the refurbishment, Universal K was commissioned to supply another Mitsubishi Electric Seventy Series Display Wall system in time for the station's extensive coverage of the Bulgarian general elections.



### **For more information:**

Peter van Dijk  
Mitsubishi Electric Europe B.V.  
Nijverheidsweg 23a,  
3641RP Mijdrecht  
The Netherlands  
Tel: +31 (0)297 282461  
Fax: +31 (0)297 283936  
E. [info@mitsubishi.nl](mailto:info@mitsubishi.nl)  
Web: [www.mitsubishielectric-displaysolutions.com](http://www.mitsubishielectric-displaysolutions.com)

### **Issued by**

EIDO Public Relations  
Tel: +44(0)207 788 7905  
Fax: +44 (0)207 691 7431  
Email: [mitsubishi@eido-pr.eu](mailto:mitsubishi@eido-pr.eu)  
Web: [www.eido-pr.eu](http://www.eido-pr.eu)

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