

London Underground - Jubilee Line

OVERVIEW

PROJECT LOCATION

London, England

CUBES SUPPLIED BY

Mitsubishi Electric UK

CUSTOMER

London Underground

PARTNERS

Harp AV Solutions Ltd

COMPLETION DATE

May 2006

PROJECT DATA

Rail traffic management centre.

APPLICATION

Control room
Transport
Rail traffic management
Crisis management

PRODUCTS USED

12 x VS-67XL20U
Custom electronics developed
to integrate with legacy control
system

PRIMARY CONTACT

(UK and UAE)

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THE PROJECT

The original Jubilee Line control room display system, installed in 1996, had become unreliable and expensive to maintain. Phosphor burn was a major problem, with the CRTs requiring replacement every 18 months at considerable expense. Sudden failures due to insulation breakdown on the high-voltage CRT drives were also a frequent occurrence, often leading to additional "flash-over" damage to other components. A more reliable and cost-effective solution was urgently required.

THE SOLUTION

Recognising that, along with performance, reliability and low cost of ownership were important requirements, integrator Harp Visual Communication Solutions proposed replacing the ageing videowall with a Display Wall system from Mitsubishi Electric. Based around DLP technology, Mitsubishi cube displays deliver bright, crisp, high-fidelity colour images across a wide viewing angle, without being affected by problems such as phosphor burn and its associated high maintenance costs and reliability problems. High light output and exceptional clarity enable operators to work effectively in a comfortable, naturally-lit environment, reducing fatigue and increasing efficiency.

The 12 cube Display Wall system installed by Harp uses specially modified electronics to allow the Mitsubishi displays to interface directly with the legacy screen control system, meaning that no additional image processing was required. The effect of the Mitsubishi Electric solution has been remarkable; zero reported failures and a reduction in maintenance costs so dramatic that the cost of refurbishment was recouped in under 18 months.

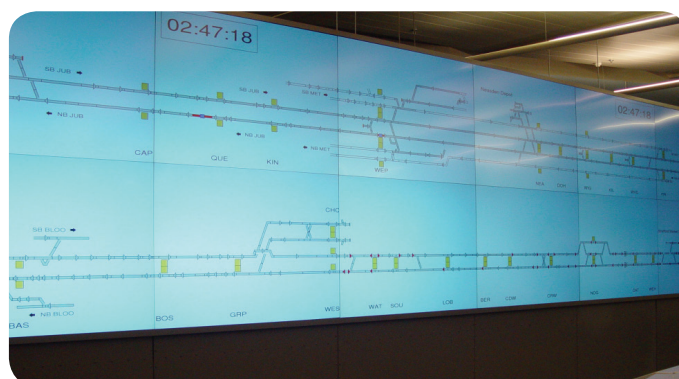
For London Underground, Display Wall from Mitsubishi Electric has proved an unqualified success, dramatically reducing costs while greatly improving display clarity, reliability and operator effectiveness.

London Underground

Jubilee Line Control Room



VS67XL20U Display Wall cube



London Underground -Jubilee Line Control Room

SPECIFICATIONS

| | |
|----------------------------|---|
| Model | VS-67XL20U |
| Technology | 1 Chip DLP™(0.7"DMD 1-chip) |
| Native Resolution | XGA (1024 x 768 pixels) |
| Size | 67" (1359 mm x 1019mm) |
| Brightness | Bright mode: 500cd/m ² (typ.) Normal mode: 400cd/m ² (typ.) |
| Contrast Ratio | 1300:1 (typ.) |
| Colour Reproduction | 16.7 million |
| Input Scanning | Horizontal: 31.5kHz - 64kHz Vertical: 49Hz - 61Hz |
| Analogue RGB | RGB signal level: 0.7Vp-p 75 Ω Synchronous: TTL level Sync on green |
| Lamp | High pressure lamp 6,000 hours (bright mode) 10,000 hours (normal mode) |
| Control I/O | RS-232C: D-sub 9 pins Control link: D-sub 9 pins x 2 (I/O) Wire remote:3.5mmjack IR Receiver |
| Weight | 91kg |
| Power consumption | 195W(Typ) |

MITSUBISHI ELECTRIC WALL DISPLAY

The perfect choice for command & control display systems.

Mitsubishi Display Wall is the preferred choice of many of Europe's specialist systems integrators for its performance, longevity, reliability and ease of maintenance in control room applications

Mitsubishi's patented Colour Space Control and dynamic brightness balancing ensure superb clarity in use, while optional features such as automatic lamp changing and automatic colour wheel calibration help to ensure 24/7 reliability and resilience in mission-critical applications.

There are now over 20 product variants in the Display Wall range, meaning that whatever the application, there is a Display Wall product ideally suited to the task. Call us or visit our website to find out more about Display Wall in action.

