



# Long asymmetric LCD table for a museum

Case: Yiwarra Kuju exhibit at the National Museum of Australia by Lightwell

**Product:** MultiTouch Cell

**Use case:** Museum

**The Canning Stock Route Project wanted to show the history of the world's longest stock route in an interesting and understandable way at the National Museum of Australia. The solution was the first asymmetric MultiTouch design for a museum exhibition.**

MultiTouch recently collaborated with Sydney, Australia-based interactive design firm Lightwell for the installation of a massive multitouch table at the National Museum of Australia in Canberra. Ten 46-inch MultiTouch Cell units were combined in the first asymmetric multitouch installation for a museum exhibition. The units were more than 7 meters long and supported over 20 visitors collaborating anywhere along the connected display.

The 'One Road' interactive multimedia installation is an integral part of Yiwarra Kuju: The Canning Stock Route, which highlights Aboriginal voices and experiences as it explores a significant but little known period of Australian history through contemporary art, film and new media. The MultiTouch Cell enables visitors to trace the Canning Stock Route with multitouch access to both historical and modern data, including paintings, film and cultural works, as well as rich oral and visual records. The exhibit features over two hours of video, more than 70 paintings, and roughly 100 separate stories situated at locations along the route.

Visitors "walking" along the stock route can view graphical information pertaining to that region. Native animals walk across

the surface of the display and the many black ants that cover the surface can be tracked and squashed. Also an interactive sand area enables visitors to draw their own paintings.

MultiTouch's patented computer vision system, which reads up to 120 frames per second in bright daylight or dark environments, is complemented by software that elegantly translates touch into the programming experience, creating multitouch displays that can read unlimited touch points, including hands, fingers, fingertips and 2D Markers.

## Visually Compelling Interactive Display

The MultiTouch Cell was selected because it is a stable, high resolution, plug and play multi touch solution with immediate response and delivery. The Cell is the only Full HD multitouch solution on LCD that is readily available in the marketplace and is a feasible price range.

Lightwell developed this application with content provided by FORM's Canning Stock Route Project to run on ten 46" displays connected together. Professional support was provided by the MultiTouch development team.

Video: <http://www.youtube.com/user/multitouchfi#p/u/4/XRZhzKAb4-Y>



## More information

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### FORM

<http://www.form.net.au/aboriginal-development/canning-stock-route-project>

### The Nation Museum of Australia

[http://www.nma.gov.au/exhibitions/yiwarra\\_kuju/](http://www.nma.gov.au/exhibitions/yiwarra_kuju/)

## /// Challenge

To tell about history in an interesting and understandable way; visualising a long and narrow route.

## /// Solution

Ten 46-inch MultiTouch Cell units combined together asymmetrically as a long table for over 20 simultaneous users.

## /// Benefits

Captivates the visitors, allows them to study history playfully from the point they are interested in; shows history interactively both in videos, pictures and sounds.