

Reliance Infocomm [India]



Reliance Infocomm's National Network Operations Center

The Reliance Group, India's largest private sector enterprise and one of the 500 largest enterprises in the world, launched Reliance Infocomm Limited on December 28, 2002. Reliance Infocomm will offer revolutionary, data, video and value-added services at a cost affordable by all, in the largest and most complex rollout in the history of the information technology and communication sector worldwide.

Barco Control Rooms, the undisputed market leader in control rooms, provides a 225m² total display solution for Reliance Infocomm at Dhirubhai Ambani Knowledge City (DAKC), Navi Mumbai (India). The NNOC manages all aspects of the Network including surveillance, fault management, trouble shooting, correction, reconfiguration, etc. for the entire pan India network. Reliance Infocomm launched its mobility services in 104 cities on December 28, 2002, when it kicked off operations. Reliance has reached over 700 cities and will soon extend services to 1100 cities and towns. Reliance Infocomm is the first company in the world to roll out such a large geographical network using only one National Network Operations Center (NNOC).

In Reliance's selection process for a control room provider, crucial issues like control room design and functionality of modern NNOC's were evaluated. Barco was selected thanks to its market leadership position in projection technology and proven expertise in display wall control systems. With telecom reference sites all over the world, Barco was able to clearly illustrate its extensive project, system and user experience (Man/Wall Interface).

BARCO

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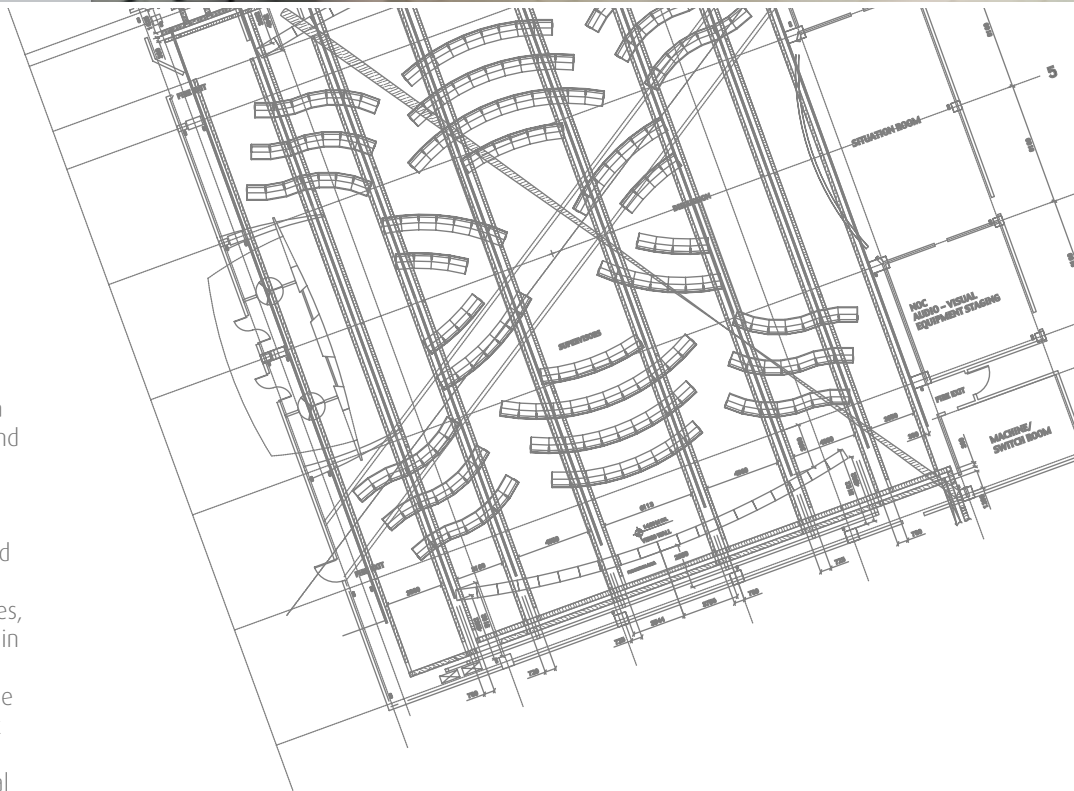
Reliance Infocomm NNOC building at Dhirubhai Ambani Knowledge City (DAKC), Navi Mumbai (India).



In a slightly curved configuration, the display spans almost the entire length of the NNOC's two opposing walls.

126,000,000 pixels

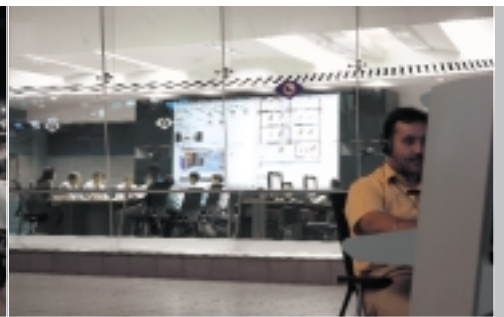
In the main NNOC, Barco installed a dual set-up on the left and right hand side of the center, with each side having three display sections each consisting of 67" DLP projection displays in respectively 6x4, 8x4 and 6x4 configurations. The total configuration comprises 160 modules, equaling nearly 126,000,000 pixels in a single control room, and a total screen surface of almost 225 m². The projection engines/controlware link was implemented in a fully digital way. Barco also equipped additional rooms totaling over 36m². Next to the main NNOC in Mumbai, Barco implemented a Situation Room (67" modules in a 3x2 configuration) and a Security Control Room (67" modules in a 5x2 configuration) and a back-up NNOC (67" modules in a 5x2 configuration) in Hyderabad. All these control rooms were implemented at the same time, making this Barco's biggest single project implementation.



Integrated solution

In a slightly curved configuration, the display spans almost the entire length of the NNOC's two opposing walls. Barco's 225m² total display solution integrates projection technology, controlware and wall management software. Barco enables the dynamic visualization of network monitoring applications and web-based

supervision of the network's routers and switchers, as well as the simultaneous display of 4 video and 2 RGB sources per display section. Barco's screen-scraping software allows the content of the operators' PCs to be replicated on the display walls. The controlware was selected, among other reasons, because of its upgradeability, offering Reliance the most future-proof front-end available.



Situation Room (67" modules in a 3x2 configuration).



Security Control Room (67" modules in a 5x2 configuration).



