

Case Study

National Transmission Asset Management Centre

Highlights

Power Grid Corporation of India (PGCIL) Limited is among the leading electric utilities that have always equipped their control rooms with the latest equipments. PGCIL recognized that a display wall would enable its operators at NTAMC to have a much clearer view at any given moment. Delta's Video wall solution helped NTAMC achieve its visualization demands ensuring all operations progress effectively and effortlessly.

Technologies Used

- » 70" Full HD DLP Video wall
- » ICON Pro Controllers
- » 4mm Indoor LED
- » End User: NTAMC, Manesar



National Transmission Asset Management Centre, Manesar



Solutions Installed

Control Room:

- » 4x3 70" Full HD DLP Video wall - 5 Sets
- » Video wall Controllers - 5 Sets
- » Indoor LED (4mm) - 5 Sets

Monitoring Room:

- » 4x3 70" Full HD DLP Video wall - 1 Set
- » Video wall Controller - 1 Set

Collaborative Room:

- » 2x2 70" Full HD DLP Video wall - 1 Set
- » Video wall Controller - 1 Set



"We found Delta's Display solutions meeting our specifications. Delta has given their solutions to us in the past, and our experience with them has been good in terms of reliability and post sales support. We needed timely completion of this project and that aspect has been good with Delta." Commented Mr. R.P. Sasmal, Director (Operations), PGCIL

The significance of NTAMC is that all the 186 substations across the country are unmanned and have to be monitored from a single location i.e. at NTAMC Manesar. Integration of these substations with the central location is characterized by a fool-proof fibre optic communication system; this communication system is also augmented by HD cameras installed at all the substations to capture videos for 24/7 operations. Delta Video walls installed at NTAMC are used to monitor all these feeds.

Delta installed 5 sets of 70" LED-lit Video wall in 4x3 configurations inside the control room- one video wall for each regional load dispatch centre (RLDCs) - East, South, West, North and Northeast region. Above each Video wall, there is a 4mm indoor LED display, installed to display alarm situations from across the network so that it gets immediate attention and quick rectification. One Set of 4x3 70" LED-lit Video wall is installed in remote transmission monitoring centre for monitoring operations of North region separately. To make sure all the operators manning the control room are well versed with the technology, training is provided in a conference room equipped with Delta's 70" Full HD Video wall in a 2x2 configuration.



About PGCIL

POWER GRID CORPORATION OF INDIA LIMITED (POWERGRID), the Central Transmission Utility (CTU) of the country under Ministry of Power is one amongst the largest Power Transmission utilities in the world. A “Navaratna” Central Public Sector Enterprise, PGCIL, is India's largest Electric Power Transmission Utility.

About Delta

Delta Displays, a division of Delta, is a pioneer in developing professional displays for control rooms in surveillance, security, traffic, command & control, utilities, process control, telecom and broadcast applications. Delta offers a wide array of display technologies including: Rear-projection DLP™ video walls with Laser technology, Next-Gen LED technology, ultra-thin bezel LCD video walls, and high-resolution indoor/outdoor LED displays with powerful & highly flexible wall management software suites.

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