



SPECIAL REPORT

Future Forward

Tata companies speak to Sanghamitra Bhowmik on how they plan to lead from the front


The future of the digital world lies in how people and 'things' will interact with each other. The convergence and consolidation of digital platforms is set to create an ecosystem that will connect industries, markets and businesses across the globe, creating new patterns of consumption, new ways of learning, altered workspaces and enhanced lifestyle.

Tata companies across businesses are keeping pace, changing course, implementing solutions and, in turn, fortifying the future.

Future of technology

Leading digital infrastructure provider, Tata Communications, recognises the importance of connectivity and has built the world's largest IoT (Internet of Things) network based on LoRaWAN™ (Long Range Wide Area Network) technology, spanning nearly 2,000 communities and touching over 400 million people. To date, the company has deployed the LoRaWAN™ network in 38 cities in India. "Our LoRaWAN™ network was recently used for the deployment of 300 smart street lights in Jamshedpur. This project sought to optimise electricity consumption by implementing street lights with smart features such as switching them on and off or dimming them remotely from a central command centre on a need basis," says Sumeet Walia, executive vice president, Tata Communications.

"We have significantly co-invested with Tata Communications to create solutions for tracking contractor workforce. We are working towards building last mile sensing devices on top of the LoRaWAN™ network to lay the foundation of Internet of Everything covering health of crane operators on one hand to garbage bins on the other," said Jayanta Banerjee, chief information officer, Tata Steel.

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