

TATA COMMUNICATIONS **MOVE™**

INTEGRATED, SEAMLESS INDUSTRIAL CONNECTIVITY

ENABLING INDUSTRY 4.0



POWERING CONNECTED SMART FACTORIES

Advances in hardware technologies, together with adoption of cloud computing, AI and Machine Learning are enabling manufacturers to improve production efficiency, using robotics and process automation. A truly connected factory provides ample information for businesses to launch and manage industry 4.0 initiatives. Business can introduce robotics and remote management to enhance production line capacity, improve quality, predict downtime, and ensure employee safety.

Automating and connecting factories across different geographies also helps in the management of unforeseen or seasonal demand. Aligning warehousing and connected supply chains with production data, boosts efficiency. The result - cost saving and optimum use of resources.

Tata Communications MOVE™ provides cellular connectivity options to fulfil the specific needs of each element of an industry 4.0 transformation, along with tools for connectivity management and configuration. Through our global partnerships, we provide connectivity wherever your facilities are based, so you have one contract for your connected factories regardless of the location.

BUSINESS BENEFITS

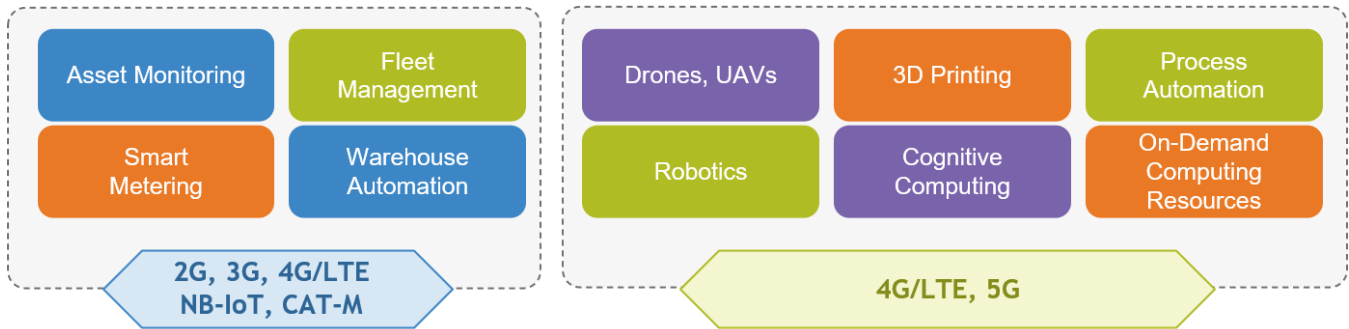
- **O&M efficiency**
Connectivity to manage robotics and for process automation, helping to enhance productivity and improve quality.
- **Cost savings**
Cost efficiencies by replacing manual processes with robotic processes. Automatic data updates, instead of manual entries in process sheets.
- **Improved safety**
Collect granular data to predict downtime or to implement pro-active safety measures.
- **Enhanced supply chain**
Using cellular connectivity to support integration of the supply chain with production processes, for optimum utilisation of resources.

Enhance your production capacity with connectivity that suits your business. Enable automation & remote management of processes and robotics to boost efficiency.

Key Features

- SIM profiles supporting multiple connectivity technology options - 2.5G, 3G, 4G/LTE, 5G, as well as NB-IoT and LTE-M
- Management portal for control and configuration
- Available in 200+ countries and territories
- Automatic activation of backup profile in case of connectivity issues
- Suite of APIs for ease of integration with enterprise systems

IOT CONNECTIVITY - A FOUNDATIONAL TECHNOLOGY FOR INDUSTRY 4.0



FLEXIBLE IOT CONNECTIVITY

- **Always On** - Maintains connectivity by activating embedded SIM ‘backup profile’ in case of network issues.
- **Technology and network agnostic** - connect via multiple mobile network operators, as well as across multiple generations and variants of GSM technology.
- **Single or multi-site deployment** - deploy services in one or multiple countries, with SIM profiles to match.
- **Online management portal and APIs** - visibility, control, configuration and integration rests with your business, not with a 3rd party.
- **Integration of connections made via another provider** - bring your own connection agreements and we will combine and manage them with our own global connections.
- **Intelligent connectivity** - Provides highest quality of connectivity and service in any given country and for every use case, while maintaining cost objectives and local connectivity requirements.

SECURE DATA MANAGEMENT

- **Private LTE** - Low-latency, high-bandwidth secure, scalable and resilient network. Quick to establish, requires minimal disruption and provides extensive site-wide coverage.
- **Seamless cloud connectivity & storage** - extensive cloud integration capabilities available for secure data processing, application building and data storage.
- **Control & Visibility** - portal, online reporting and fully configurable APIs, to manage data usage. Data sharing between assets for cost efficiencies and easy integration with internal systems to align business processes.
- **Multi-Layered Security** - protect end-points, network and applications in the cloud, for secure information transfer through the value-chain.
- **Managed service** - options to provide end-to-end IoT project deployment with cloud infrastructure for computing, storage and application building.

For more information, visit us at www.tatacommunications.com.

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