

Case Study | Manufacturing Execution System

## INTEGRATION OF SHOP FLOOR ACTIVITIES WITH TOP FLOOR

**TATA TECHNOLOGIES PARTNERED WITH AN INDUSTRIAL GIANT IN INDIA TO ESTABLISH SHOP FLOOR TO TOP FLOOR CONNECTIVITY WHICH COULD PROVIDE END-TO-END VISIBILITY ACROSS THE IN-BOUND AND OUTBOUND ENTERPRISE SUPPLY CHAIN SCENARIO.**

### THE CHALLENGE

The client had a non-integrated IT system which posed challenges at the shop floor and information was present in silos at different locations within a plant:

- High Work In Progress (WIP) at sub-assembly levels, which resulted in blocked capital
- Leveraging its existing presence and small customer base to propel sales of the new product line
- Generating hype for the new product line by identifying a healthy sales pipeline

### THE COMPANY

A Swedish industrial company, manufacturing industrial tools and equipment. It is considered as a world-leader in providing sustainable productivity solutions and serves customers in over 180 countries with products and services focused on energy efficiency, safety and ergonomics. The company has operational centers spread across 20 locations within India and features among the most innovative companies around the world.



## THE SOLUTION

- A custom-built application to provide end-to-end manufacturing solutions inclusive of interface and integrations with ERP, shop floor control system, third party logistics, supermarket and finished goods yard
- System deployed across two flexible assembly plants – Make To Order (MTO) configurable products
- Implementation of key functionalities - notably order management, kitting, pick list generation, JIT/JIS, e-Kanban, ANDON system, genealogy, traceability, torque and test data logging, digital work instructions and finished goods yard management, pick-list and barcode printing, real-time updates via reports, dashboards and email

## THE RESULT



Single version of truth – Meeting Time Reduction (MTR)



Sub-assembly WIP reduction from three days to four hours



Product planning improvement by 30%

## ABOUT US

Tata Technologies is a global engineering and product development IT services company that is focused on fulfilling its mission of helping the world drive, fly, build and farm by enabling manufacturing companies across the automotive, aerospace and industrial heavy machinery verticals realize better products and drive efficiencies in their businesses. There are two components to our value proposition – managing and delivering outsourced engineering services and products for our manufacturing clients, and helping them identify and deploy technologies that are used to conceptualize, design, validate, build, test, benchmark and realize better products. For more information, visit [www.tatatechnologies.com](http://www.tatatechnologies.com).