Case Study | CEIT

ENABLING MANUFACTURING EXCELLENCE

THE CUSTOMER BEGAN ITS MANUFACTURING EXECUTION SYSTEMS (MES) JOURNEY WITH TATA TECHNOLOGIES IN 2007. SINCE THEN, WE'VE SUCCESSFULLY DEPLOYED MES SOLUTIONS IN THREE PLANTS, WITH ONE UPGRADE, AND THERE ARE MORE PLANTS ON THE ROADMAP.

THE CHALLENGE

The client faced the following manufacturing challenges:

- An inability to automatically generate serial numbers.

- Lack of integration between manufacturing processes and SAP®.

- An inability to monitor production in real-time.

- An inefficient means of error proofing.

THE COMPANY

The client, headquartered in Mumbai, is the largest automotive manufacturer in India. Products include passenger cars, trucks, vans, coaches, buses, construction equipment and military vehicles.

THE SOLUTION

- Provided for automated serial number generation, part picking, genealogy, production booking, energy management and real-time reporting.

- Improved quality by employing error proofing, defect data capture, final quality assurance OK & SFLT, test data capture, product and process audit functionality.

- Included order and sequence management, in-house and vendor just-in-time (JIT)/just-in-sequence (JIS) broadcasting, overall equipment effectiveness (OEE), and real-time status monitoring.

- Covered the following customer manufacturing facilities: press, weld, weld and body shop (WBS), paint, painted body storage (PBS), engine shop, transmission/powertrain and assembly.

THE RESULT

Improved
product quality

Improved vendor
communication

Reduced
inventory

Provided tracking for
on-time delivery

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**.

Engineering a *better world.*