




Let's Solve

 A Larsen & Toubro  
Group Company



Case study

# Smart Manufacturing-led Business Transformation for Global Electrical & Industrial Equipment Manufacturer

## Client

The client is operating across 175+ countries for segments/groups - Electrical, Hydraulics, Aerospace, Vehicle and e-Mobility.

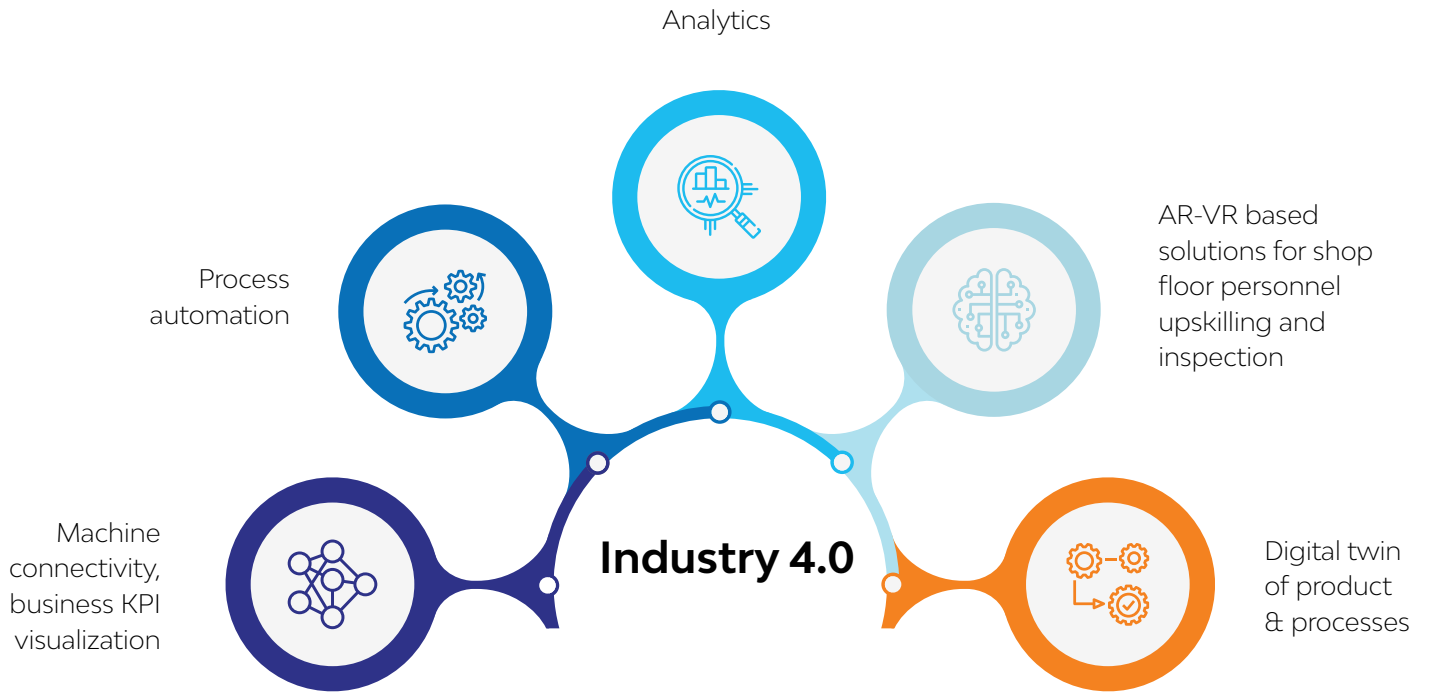
LTI was chosen as the preferred partner for chalking out Industry 4.0 journey roadmap and transforming manufacturing units to factories of future

## Challenges

- Identify potential areas across the manufacturing value chain for Industry 4.0 interventions.
- Quantify benefits for improving productivity & equipment utilization, securing manufacturing communication and accelerating new product development.
- High unscheduled downtime and no visibility of machine health.
- Isolated systems and lack of continuous monitoring of critical manufacturing parameters.

## LTI Solution

- LTI conducted Industry 4.0 assessment through value discovery workshops with plant stakeholders and IT leadership and helped define the business case and ROI for embarking on a smart manufacturing journey.
- Defined smart manufacturing digital transformation strategy including the technology landscape.
- Built a holistic roadmap across 6 functions - production, quality, maintenance, warehouse management & logistics for continuous monitoring of 75+ manufacturing KPIs.
- Assessment and selection of Industrial IoT platform for building Industry 4.0 digital core.



- Transform factory operations and drive business outcome through **Industry 4.0 global deployment** by implementing solutions for OEE (Overall Equipment Effectiveness), DWI (Digital Work Instructions), Predictive maintenance, track and trace of parts/product on the shop floor and AR based training solution.
- Global rollout of solutions at **45+ sites spread across four regions** leveraging deployment tool kit for faster and risk-free implementation.

## Business Benefits

**USD 4 million/ year**  
reduction in  
cost of services

**50+%**  
potential time  
saving in site  
go-live

**10-15%**  
**improvement**  
in overall OEE

**8-12%**  
**reduction** in  
unscheduled  
maintenance

**15% reduced**  
manual effort at  
the workstation

LTI (NSE: LTI) is a global technology consulting and digital solutions Company helping more than 400 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 30,000 LTItes enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <http://www.Ltinfotech.com> or follow us at @LTI\_Global.

[info@Ltinfotech.com](mailto:info@Ltinfotech.com)