THE COMPANY

One of the world’s leading suppliers of intelligent, robot-based automation solutions for international customers including leading automotive OEMs and general industry manufacturers.
THE SOLUTION

- Conducting a manufacturing assessment, including process planning and detail process engineering, and adopting a logical approach.

- Developing a flexible assembly line, including complex tools and manual and robotic parts, to accommodate multiple high-end models.

- Designing BIW robotic assembly line including various joining processes (i.e., spot welding, self-piercing rivets, gluing, clinching, hemming, etc.).

- Focusing on resource utilization, and using cutting-edge simulation tools, to validate all processes.

- Utilizing experience and expertise, and incorporating OEM standards, while determining whether to handle as a green field or brown field project.

- Owning all technical aspects from process planning to product launch while meeting OEM constraints.

THE RESULT

- Optimized process solutions led to cost savings
- Reduced installation and commissioning time, decreased time to market
- Process optimization and quality management
- Flexibility, standardization, and reutilization of production setup

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.