

## CASE STUDY

PRODUCT DEVELOPMENT & COLLABORATION  
PLATFORM



**L&T Technology Services**

**INDUSTRY** Automotive



### CLIENT PROFILE

A prominent automobile parts manufacturer in Japan, our client specializes in global procurement needs of automobile manufacturers with quality and speed.

### BUSINESS PERSPECTIVE

We partnered with the client to provide a comprehensive, secure, reliable and cost-effective end-to-end implementation, maintenance and support for their PLM system.

### SCOPE OF ENGAGEMENT

- To replace their existing Environment with PD Collaboration Framework as global repository
- Integrating PD Collaboration Framework with their legacy systems
- Release design data for OEMs
- Automating the processes
- Using Akamai technology for the first time in the world for intercontinental network connectivity and caching
- Accommodating new functionality to PD Collaboration Framework, based on business requirements
- Global support model for users across the world

### OUR APPROACH

- Set up an Offshore Delivery Center to handle the complete process
- Study of legacy system and a file transfer tool to establish bi-directional communication with PD Collaboration Framework
- Designing network layout and installation of secured Volume Server and FMS setting
- Creation of custom service for inter-application communication with no data loss and high performance
- Importing legacy data to PD Collaboration Framework
- Creation of monolithic JT and HPGL files through Teamcenter Dispatcher
- Handover of designs and drawings across global sites
- Setting up of 4-Tier architecture without disturbing the existing 2-Tier architecture
- Suggesting and implementing best solution to resolve any functional or operational issues
- Consultation to enhance business process

## TOOLS & TECHNOLOGIES

- PLM Teamcenter 8.3
- Akamai — Terra Solutions, Apache Tomcat Web Server

## L&T TECHNOLOGY SERVICES IMPACT

We quantified our impact with significant percentages, including:

- 80% reduction in post-production defects
- 40% faster business process and reduction in time to market due to synchronization between legacy systems
- 25% reduction in IT and Systems Support costs
- 20% reduced costs in specific operational areas
- 10% increase in profits

## FINAL RESULT

- Complete control over usage of licenses
- Reduced the COQ (Cost of Quality)
- Reduced time-to-market lead time
- Improved data security
- Reduced the risk of failure
- Better global collaboration

## ABOUT OUR PLM PRACTICE

Our PLM Practice has a proven record in developing, deploying and implementing the technologies, products, and applications for renowned business partners across the globe. Pioneers in Industry-specific solutions, we maintain partnerships with Siemens, PTC and DS. Our PLM practice has given significant improvement in Manufacturing Planning and Productivity, among various other benefits.

## ABOUT OUR AUTOMOTIVE DOMAIN

At L&T Technology Services, we deliver expertise and experience driven solutions for the Automotive sector to meet mobility demands with precision, professionalism and speed. We help our clients meet the twin objectives of **lowering cost and delivering value**. We have evolved and matured over years of experience in the Automotive sector for new product development processes such as ideation, optimization, testing, research and development, production control, post-production lifecycle management and support. Our solutions reflect the highest levels of mechanical engineering and embedded solutions coupled with cutting edge technologies. At L&T Technology Services, we serve some of the leading Automotive OEMs and Tier-1s representing all segments of the value chain. Our global footprint allows us to offer a connected ecosystem which is crucial for customers with global ambition.

## ABOUT L&T TECHNOLOGY SERVICES

L&T Technology Services is a wholly-owned subsidiary of Larsen & Toubro with a focus in the engineering services space, partnering with a large number of Fortune 500 companies globally. We offer design and development solutions through the entire product development chain, across various industries such as Industrial Products, Medical Devices, Transportation, Telecom and Hi-tech and the Process Industry. We also offer solutions in the areas of Mechanical Engineering Services, Embedded Systems & Applications, Engineering Process Services, Product Lifecycle Management, Engineering Analytics, Power Electronics and Machine-to-Machine and the Internet-of-Things (IoT).

## KNOW MORE

For more information on our services, visit our website: [www.Lnttechservices.com](http://www.Lnttechservices.com) or drop us an email at: [corp.marketing@Lnttechservices.com](mailto:corp.marketing@Lnttechservices.com)

