

Case Study

Smart Manufacturing Solutions and Efficient Supply Chain for UK-based Modular Homes Construction Major

Client

The client is a modular homes construction company, based in the UK.



Challenges

Today's Modular Construction industry needs Smart Manufacturing with end-to-end visibility across the entire ecosystem from design to installation. Accelerated manufacturing with

delivery certainty, efficient supply, and data transparency are the need of the hour. Our client was looking for a **digital smart solution** which will deliver:



Accelerated manufacturing with delivery certainty within 36 days.



Efficient supply chain and partner collaboration platform.



Scalable, futuristic architecture.



LTIMindtree Solution

We helped the client by building digital core on **S/4HANA** to design and deliver modular homes through a connected ecosystem of designers, real estate developers, and customers. The solution was enabled by our proprietary ERP transformation platform and covered all elements across the entire value chain through:

- Real-time **integration** with design and document management system for consumption of new and changed design elements and to track changes throughout manufacturing and deployments lifecycle.
- Integrated project planning across development sites and manufacturing units to enable **cohesive** working.
- Collective manufacturing strategy to enable operation efficiency, in-built process quality checks, transportation of finished modules to the site with GIS tracking, and end-to-end visibility across project lifecycle.
- **Accelerated** deployments of modules with minimal construction at site.
- **IoT**-based smart maintenance of homes, and customer and partner marketplace.

Our Solution Architecture with core functionalities on S/4HANA empowered to build smart homes for one of the most complex CTO/MTO business models. It enabled faster deployments, transformed user experiences, and greater visibility across entire project lifecycle.

Business Benefits



30% faster manufacturing with innovative approach.



15% inventory reduction.



Enhanced customer experience with customer marketplace.



Built Intelligent Enterprise with an intelligent platform.



Flexible construct to plug-and-play new technologies.



Scalable futuristic architecture linking all business elements.

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 84,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree – a Larsen & Toubro Group company – combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit <https://www.ltimindtree.com/>