



Case Study

Multinational Engineering Conglomerate Drives Industrial Efficiencies Using Digital Technologies

Client

The client is one of the world's leading engineering and construction organizations.

Challenges

The client was looking to adopt digitalization to address challenges inherent in the construction industry – stagnant labor productivity, cost and time overruns, and low equipment utilization. It wanted to collaborate with a digital consulting partner to help achieve operating cost reduction and superior operational efficiency.

LTIMindtree Solution

- As a partner and advisor on the client's digitalization journey, LTIMindtree worked with business stakeholders from different business units to identify critical pain points and explore opportunities for digitalization and automation.
- With our Design Thinking approach, coupled with domain experience, we developed three key strategic themes under which the solutions were built: Connected Machines, Connected Workers, and Connected Material.
- We covered various business functions including planning, tendering, procurement, execution and support, to pinpoint process and technology gaps that required attention.
- We built an IoT-driven solution encompassing workforce management, material tracking and reconciliation, asset performance management, and predictive maintenance.
- Various apps were developed under the overarching themes.
- Our analytics platform Mosaic was leveraged for delivering actionable insights to achieve the goal of driving business transformation using digital.
- The improvements in KPIs resulted in multiple business benefits and significant savings to the organization besides inculcating a digital attitude among all levels of employees and making this is an enabler for attracting young talent.

Business Benefits

- 10 - 15% improvement in asset productivity and utilization.
- 10% improvement in worker productivity.
- Five percent reduction in cost savings on fuel consumption.
- One percent reduction in material losses.

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/>