



Case study

Integrated Engineering Tool Management
Solution Improves Productivity for
Multinational Aerospace Company

Client

The client is a global aircraft manufacturer, catering to commercial aircraft, helicopters, defense, and space segments.

Challenges

- ▶ Tedious manual reporting on hand-drill tools records.
- ▶ Lack of a systematic means of managing engineering tool data.
- ▶ Inefficient data logging mechanism for tool-related information/operating instructions.
- ▶ Complex and siloed workflows, leading to difficulties in ensuring EASA and GDPR compliance.



LTIMindtree Solution

- ▶ Developed an end-to-end, scalable tool management solution to run the complete life cycle for hand-drilling tool units and consumables.
- ▶ Enabled stringent change management workflows for modifications integrated across Engineering, Quality, Operations and Maintenance, and the other support functions, significantly reducing workflow delays with detailed tracking of changes for quality audits.
- ▶ Cleansed engineering configuration data of 70,000+ drilling tools to meet quality rule sets.
- ▶ Developed interactive dashboards for shop-floor operators and process managers to monitor KPIs like tool life, calibration status, issue and return details.
- ▶ Integrated real-time tracking and monitoring, which helped the client locate and collect out-of-life tools on the shop-floor preventing their usage in assembly operations.

Business Benefits

100%

compliance to GDPR and EASA
(European Union Safety Agency) tool
management standards.

€190K per annum

worth manpower savings.



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 82,000+ 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/>