

Case Study

AI-Powered Re-Calibration of R&D Portfolio for US-Based Medical Devices Manufacturer



Client

The client is a US-based multinational, and Fortune 500 company that deals with medical devices and pharmaceuticals



Our Experience

LTIMindtree helped a global pharmaceutical company accelerate the data-to-decisions journey with an Artificial Intelligence (AI)-powered automation solution. LTIMindtree's Leni helped combine the power of Natural Language Processing (NLP), Machine Learning (ML), and data visualization to de-risk clinical trials by providing accurate analysis, reliable project simulations, and autonomous tracking of critical Key Performance Indicators (KPI).



Challenges

- ✓ Highly manual and repetitive process for project planning and monitoring of clinical trials.
- ✓ Lacked standardized benchmarking practices.
- ✓ Inability to gauge the probability of success for ongoing and new clinical studies.



LTIMindtree Solution

- ✓ Provided visual LTIMindtree synopsis of a project's details by monitoring critical KPIs.
- ✓ Enabled ad-hoc querying capabilities using NLP-based searches to identify project risks.
- ✓ Leveraged Monte Carlo simulations to forecast timelines, cost, and budget.



Business Benefits

Saved about 190 person-month efforts to analyze existing portfolios in a year.

Saved about ten person-month efforts to set up new projects in a year.

50%
increase in user adoption.

Improved the consistency in planning new clinical studies.

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/>