



“LTI Mindtree transforms clinical development through innovative solutions and advanced technologies, enhancing patient engagement and operational efficiency to deliver timely, high-quality outcomes in clinical trials.”

*Rohan Sinha*

# LTIMindtree

## Overview

LTIMindtree is headquartered in Mumbai, India. It has more than 84,000+ employees across over 40 countries. In FY25, the company generated \$4.5 billion in revenue. LTIMindtree brings AI-driven innovation to life sciences with contextual copilots and predictive analytics that reduce clinical trial failures and enhance PV. Its Fabric and Expert AI frameworks enable scalable, efficient handling of complex, unstructured data. The company’s agentic AI solutions are designed to drive both operational efficiency and strategic decision-making across the clinical value chain.

## Strengths

### **Robust decentralized clinical trials**

**solutions:** It provides an integrated Decentralized Clinical Trials (DCT) solution that enhances patient, researcher and clinical experience. This solution streamlines patient recruitment and enables longitudinal data capture with features such as eConsent, patient dashboards and remote monitoring. Integrating data from connected devices and wearables enhances trial accessibility and engagement, supporting trial managers with prescreening and referral-tracking tools.

### **Advanced AI and risk management**

**capabilities:** Leveraging AI, it boosts clinical trial efficiency with real-time risk assessment, reducing time to market. Monte Carlo simulations forecast timelines, costs and budgets, while standardized benchmarks

and an AI-powered Project Analyzer enable milestone tracking. This proactive resource allocation mitigates risks, ensuring the timely completion of trials.

### **Integrated digital command center:**

LTIMindtree’s Digital Command Center offers centralized oversight of trial activities through digital dashboards, providing real-time visibility into operations. This view enhances decision-making and facilitates swift responses to challenges. Additionally, AI-driven anomaly detection swiftly identifies issues in clinical data, ensuring compliance and maintaining quality throughout the trial lifecycle.

## Caution

While LTIMindtree’s DCT and AI solutions improve efficiency, overreliance on automation may lead to data overload, algorithm bias, and reduced adaptability, highlighting the need for ongoing human oversight.