Life Sciences Digital Services 2025 RadarView™

Breakthrough innovation through digitalization

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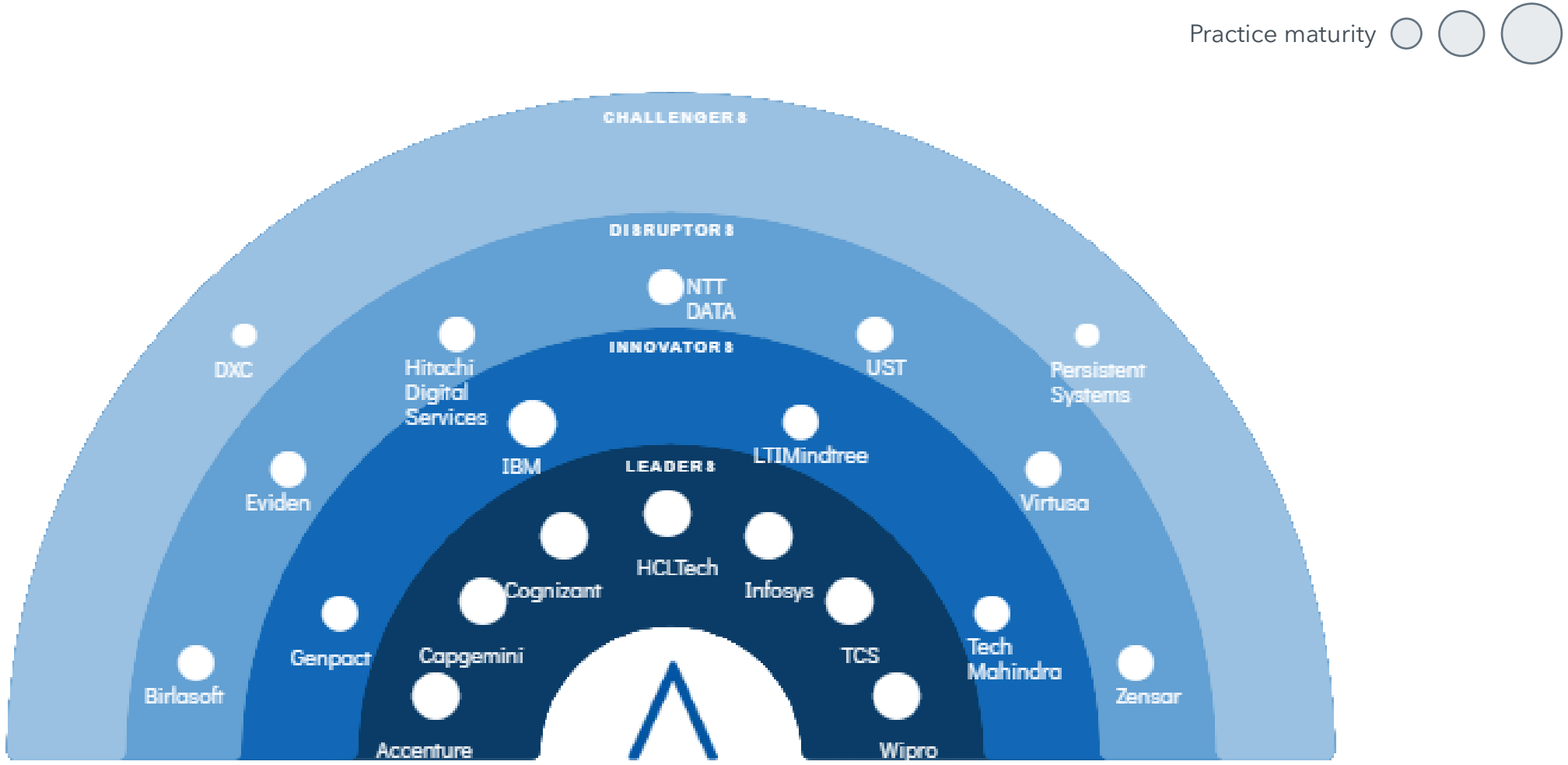
Avasant recognizes 20 top-tier service providers supporting the digital transformation of life sciences enterprises



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LTIMindtree

Practice maturity ★★★★

Investments & innovation ★★★★

Partner ecosystem ★★★★

Leverages generative AI solutions, in-house platforms, and strategic partnerships to drive innovation across manufacturing, SCM, R&D, clinical operations, and commercial functions

Practice overview

- Practice size: 2,500+
- Active clients: 35+
- Delivery highlights: N/A

>40%	$150M+
Digital revenue share from life sciences	Life sciences revenue in FY 2024

Industry-specific solutions/offerings

Lab Information Management Systems (LIMS)	A solution to help in lab operations and regulatory compliance for life sciences companies
Decentralized Clinical Trials	An offering to facilitate clinical trial processes by enabling remote patient monitoring
AI-Augmented Site Selection	An AI solution to locate optimal clinical trial sites for life sciences enterprises
Pharmacovigilance	A digital solution to ensure patient safety during clinical trials for life sciences enterprises

Sample clients

- A global generics manufacturing company
- A global life sciences enterprise
- A global pharmaceutical and medical device company
- A medical equipment company

Partnerships/alliances

medidata	Partnered to build industry-specific solutions for life sciences enterprises
Microsoft Azure	Partnered to leverage Microsoft Azure cloud, AI, and analytics to build solutions for the life sciences industry
LABWARE	Partnered to facilitate digital transformation for pharmaceutical and medical device companies
Veeva	Implemented Veeva solutions for life sciences enterprises to improve patient experience

Value chain coverage

- R&D/drug discovery
- Preclinical & clinical trials
- Manufacturing
- Procurement & supply chain
- Sales & marketing
- Patient support & pharmacovigilance
- Regulatory & operations

Darker color indicates higher industry concentration:

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Case studies

Client	Capability	Summary	Business impact
A global pharmaceutical and medical device company	• Analytics • Automation • AI and managed services	• The client wanted to ensure tech reliability at its manufacturing sites by addressing operational challenges such as the lack of a dashboard for site health, reliance on error-prone spreadsheets, and reactive troubleshooting. • LTIMindtree enabled the transformation by establishing a Digital Command Center, providing a single view across the production plant. It implemented workflow automation, real-time monitoring, and closed-loop incident management to prevent downtime and proactively identify delays.	• Improved operational processes • Supported over 250 applications • Reduced resolution time by 78%
A global generics manufacturing company	• Analytics • Automation	• The client wanted to address inconsistencies in quality control processes caused by variability in analytical workflows across multiple labs, disparate infrastructure, and system downtimes disrupting critical Manufacturing Lab activities. • LTIMindtree enhanced operational efficiency and regulatory compliance by standardizing and harmonizing lab processes through a global rollout.	• Optimized Manufacturing Lab workflows • Reduced costs • Improved decision-making
A medical equipment company	• Digital therapeutics • Analytics • Cloud	• The client faced challenges with patient adoption and experience during new device releases, including increased support desk call times and declining adoption rates. • LTIMindtree addressed these issues by introducing a Companion Digital Therapeutic (DTx) solution for a sleep apnea monitoring device. The DTx enabled proactive customer support through tap-to-talk, chat, email services, online guides, and videos.	• Improved patient engagement • Streamlined operations
A global life sciences enterprise	• Analytics • AI/ML • Automation	• The client faced challenges with manually intensive clinical trial project planning and monitoring and a lack of standardized benchmarking practices for decision-making. • LTIMindtree leveraged AI to build a one-stop solution that provided key clinical trial insights for R&D portfolio planning. It implemented real-time clinical trial risk assessment to de-risk time to market and future-proof trials.	• Improved clinical trial efficiency • Enhanced decision-making

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Analyst insights

Practice maturity ★★★★

- LTIMindtree demonstrates advanced practice maturity in the life sciences industry by leveraging value-focused strategies across R&D, clinical operations, manufacturing, supply chain, and commercial functions. Its solutions are designed to reduce time to market and transform enterprise operations through innovative products and platforms. A notable offering is LTIMindtree Enterprise AI platform, a generative AI platform that accelerates the concept-to-value journey while enhancing innovation and productivity.
- As a digital transformation partner for over 35 life sciences clients, supported by 2,500 professionals across 20 countries, LTIMindtree combines domain and technology experience to deliver competitive differentiation, customer experiences, and impactful business outcomes.
- LTIMindtree supports life sciences clients in advancing sustainability initiatives through its ESG NxT platform. ESG NxT is a cloud-based SaaS solution built on the reliable NxT platform. It enables clients to monitor and manage key sustainability parameters, including greenhouse gas emissions, energy consumption, water usage, and waste management. This solution helps organizations track and accelerate their progress toward sustainability goals effectively.

Investments and innovation ★★★★

- LTIMindtree has been driving innovation in the life sciences industry through investments in a Life Sciences Gen AI CoE, talent acquisition, upskilling via its Yorbit learning platform, and development of advanced tools and platforms.
- Collaborating with IBM Watsonx labs, it creates Gen AI use cases tailored for life sciences. The strategic global expansion includes new delivery centers in Krakow, Poland, and growing operations in Poland, Costa Rica, Mexico, Brazil, Italy, and the Philippines to enhance its global reach and capabilities.
- LTIMindtree has strengthened its AI strategy in life sciences by partnering with Voicing.AI, a startup specializing in conversational and emotionally intelligent voice technologies. This collaboration enhances customer engagement and operational efficiency, aligning with LTIMindtree's vision of embedding AI across domains.

Partner ecosystem ★★★★

- LTIMindtree's partnerships with key industry players, such as Veeva, Medidata, Labware, Labvantage, Tracelink, Clinpal, Biovia, RxLogix, Model N, and Kinaxis, have strengthened its capabilities in life sciences, particularly in commercial and clinical operations. These collaborations provide access to advanced technologies, enabling streamlined processes, improved data management, and enhanced efficiency across the value chain.
- It has invested in Gen AI solutions through alliances with AWS, Microsoft Azure, Google Cloud, Snowflake, SAP, NVIDIA, IBM, Scale, ServiceNow, Oracle, and Databricks, fostering innovation in research, manufacturing, distribution, and patient care.

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