LTIMindtree

Brochure

Accelerate Your Lab's Digital Transformation
with LTIMindtree's Comprehensive Lab Information Management System

Today's laboratories generate vast amounts of data and have multiple complex processes to ensure high-quality output. Often, effectively managing lab samples and corresponding data and standardizing operations with well-structured workflows, tests, and reporting processes pose a significant challenge. Traditional paper-intensive laboratory management systems cannot address these demands or efficiently manage the volume of information generated. Modern labs are looking to increase operational efficiency by automating and streamlining workflows, minimizing or even eliminating the need for supporting data manually, and at the same time ensuring regulatory compliance.

If your lab faces challenges such as limited process integration and siloed operations, compliance oversight, manual record-keeping, poor operations analytics support, and unstructured measurement of lab performance, LTIMindtree has just the solution for you. LTIMindtree's disruptive and digital approach to Laboratory Information Management helps labs ensure future-proof sustainable growth by offering an integrated analytical laboratory designed to manage, review, store and analyze sample information efficiently and accurately. We help build high-performance labs with next-gen capabilities for accelerated innovation.

LTIMindtree's Value Proposition

As your strategic partner for delivering continued success, we leverage new-age tech, including IoT and advanced analytics, to develop solutions that offer insights and business intelligence for enhanced decision-making across the sample life cycle. Partner with us to leverage:

01
LTIMindtree Center of Excellence for resource skill enrichment and mapping with a focus on improving business functions and processes.

02
Tools and Accelerators Expertise for accelerated execution and savings through purpose-built tools, playbooks, and template libraries.

03
Deep Domain Experience in supporting lab applications across the globe in CPG/Life Sciences industry with high-quality resources.

04
Value Amplification Delivery Model that ensures world-class service delivery, robust governance, data-driven insights from KPIs, right-shoring of resources, and optimal skill composition.

05
Rich Industry Partner Ecosystem that drives innovation across the value chain to deliver cutting-edge solutions.

Accelerated Lab Digital Transformation

We know that quality process optimization is at the heart of your lab's digital transformation and have the right framework in place to fast-track this transition.

Planned Asset Management

▶ Calibration and validation schedule monitored and updated online

▶ Predictive maintenance

▶ Automated Failure/breakdown alerts

QMS for OOS Surveillance

▶ Record and monitor rate of OOS

▶ Centralize investigation, timelines, and documents

Integrated Instrument and Data Security

▶ Enable secure connectivity to instrument/equipment

▶ Integrate with the existing IT security channels

Systems and Computer Validation

▶ Tool-based CSV for faster validation of new systems

▶ Automated testing for system upgrades

▶ Audit-friendly with easy document track and trace feature

Real-Time Regulatory Compliance Management

▶ 24x7 monitoring for compliance

▶ Digitization and centralization of critical documents such as safety, regulatory, risk assessment, and audit trails

▶ Automated breach/incident alerts

Centralized Product/Process Quality Content Management System

▶ Centralized repository for SOP, training, protocols, audit reports, and MSDS

▶ Query-based search for easy retrieval

▶ Access control for security

▶ Intelligent content management

LTIMindtree's Laboratory Information Management Systems Offerings

Planning and Assessment

▸ Current state assessment

▸ To-be state definition

▸ Global vs. local definitions

▸ Initial data assessment

▸ Localization assessment

▸ Change readiness assessment

Configuration and Development

▸ QC process harmonization

▸ MD standardization approach

▸ Core configurations (Workflow, SDMS/ELN)

▸ Lab instrument interfacing

▸ Report development

▸ Testing and validation

Deployment and Migration

▸ Data migration strategy, dependency definition

▸ Redesigned process definition

▸ Change control completion

▸ User training and site readiness

Rollout

▸ Initiation

▸ Planning

▸ Design

▸ Data migration/setups

▸ Instrument and enterprise integrations

▸ Build and test

▸ End-user training

▸ Deploy

Compliance

- Periodic user access review
- Periodic SOP review
- Internal audit
- External audit support
- CAPA and deviation handling
- Periodic compliance-related training

Support

- User access management
- Functional and technical support
- Service requests
- Incident, change, and problem management
- Bug fixes
- Ideation and innovation
- Reusable components, best practices

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/**

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