



Brochure

# **LTI***Mindtree's* Storage Condition Monitoring Solution

Ensure Real-time Quality Control  
of Your Pharmaceutical Products

## Introduction to the solution

Maintaining the right temperature is critical for producing, transporting, and storing pharmaceuticals. This is particularly important for ingredients susceptible to temperature, humidity, and other factors, which must always be kept at precise storage conditions. However, many organizations lack the visibility and automation needed to ensure that their products comply with regulations as they move up the supply chain. This can result in losing control over the products, particularly for life-saving drugs. Therefore, automated systems are required to ensure that companies stay in line with stringent regulations and maintain the safety and efficacy of their products.



## Business problem

Real-time monitoring of storage conditions and integration with SAP with defined rules is essential to ensure compliance and quality control. Automated quality control and warehouse management notifications need to be executed, and automated actions on the stored drugs must be taken in case of any changes in set temperatures or humidity. Additionally, the ability to identify the precise storage location in case of any issue with the machines and predict maintenance of cooling devices based on notification trends are crucial to maintaining the integrity of the pharmaceutical products.



## Our Solution

Our end-to-end digital solution helps clients ensure the following:

- Ensure compliance with local regulations such as Food and Drug Administration (FDA), Health Insurance Portability and Accountability Act (HIPAA), and Good Manufacturing Practice (GMP), all processes and procedures are designed to meet the highest standards.
- Enable complete process traceability and audit trail to provide a transparent view of the entire supply chain, allowing for quick identification and resolution of any issues.
- Offer centralized monitoring capabilities through the dynamic dashboard, providing real-time information on storage conditions and other key metrics.
- Block material batches if the conditions exceed the threshold period, ensuring medicine quality at all times.
- Notify concerned teams in case of issues with the machines, allowing them to take corrective actions to maintain quality.
- Provide insights into advanced maintenance through analytical reports, enabling proactive measures to prevent downtime and reduce costs.
- Notification trend analysis helps predict cooling device maintenance, leading to time and cost savings.
- Reduce downtime and sales returns by up to 50% with proactive quality assurance reviews of block stocks.
- Leverage SAP's business transformation platform and complement S/4HANA core processes, providing a seamless integration experience for users



## Why LTIMindtree

- With a long-term relationship with SAP spanning over 20 years, LTIMindtree is uniquely positioned as a partner, co-innovator, and customer of SAP.
- Our deep expertise in the Life Sciences domain and our solutions across digital, automation, and smart manufacturing can help drug makers effectively address industry challenges.
- LTIMindtree strives to optimize clients' businesses by improving their business process application portfolio rationalization.

Visit our website today to learn more about our expertise in the life sciences domain, our solutions across digital, automation, and smart manufacturing, and how we can help you optimize your business processes:

<https://www.ltimindtree.com/enterprise-solutions/sap/life-science/>



## Limitless Life Sciences

#limitlesslifesciences

### About LTIMindtree

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 <http://www.ltimindtree.com>.