



Brochure

# LTIMindtree's Solution for Lot Number Codification, Creation, and Work Order Management

## Introduction

Implementing a robust quality management system in the life sciences industry is essential for regulatory compliance and effective lot tracking throughout the product life cycle. It is crucial to establish a connection between each Finished Good (FG) and its corresponding Semi-Finished Goods (SFGs) and Packing Materials (PM). These items must be individually tracked and consumed exclusively for designated Work Orders (WOs). Furthermore, the lot numbers assigned to these WO should be identical, and the quantities must be accurately calculated and produced.



## Business Problem

Pharmaceutical and medical device industries require stringent lot tracking. The lot numbers are codified with parameters such as the date and the month of manufacturing, category codes, and product type. The lot number is codified based on these parameters and assigned to the FG item. As the WO progresses, additional WOs for SFG and PM items are generated in respective branch plants. These are linked to specific lot numbers and have their own lot codification, allowing easy identification with the FG item lot number. The quantities of these WOs need to be accurately calculated.



## Our Solution

LTIMindtree's comprehensive solution addresses the lot number codification, creation, and WO management challenges faced by the life sciences industry. Here are some of the key benefits of the solution.

- Incorporates a logical framework that utilizes user-defined codes (UDC) based on various category codes to create codified lot numbers. This logic is seamlessly integrated into the work order processing report, enabling the automatic assignment of lot numbers to work orders.
- Streamlines WO creation for SFG items and PM in their respective branch plants. The quantities of these work orders are automatically calculated based on Bill of Materials (BOM) quantities, scrap, and yield. To ensure accurate tracking, identical lot numbers to the FG lot number are created for these work orders and assigned accordingly.
- The WO processing of SFG and PM materials is linked to the FG work order, ensuring that the materials produced are automatically assigned to the FG order upon completion. This eliminates the chances of lot mixing and enables seamless FG, SFG, and PM material tracking.



## Why LTIMindtree

- LTIMindtree has the largest Oracle JD Edwards (JDE) team in the industry, including domain consultants with in-depth knowledge of the life sciences industry.
- We provide specialized guidance and tailored solutions. Our skilled technical professionals handle the various complexities, ensuring seamless integration and implementation.
- We prioritize continuous improvement and innovation, evident through our dedicated research and development labs.
- By staying at the forefront of technology, we deliver cutting-edge solutions aligned with industry best practices. Our focus on research and development sets us apart from the competition, enabling us to develop innovative solutions that address your specific needs and challenges.

LTIMindtree embraces the limitless possibilities of technology with a range of comprehensive IT services and solutions, that help empower your business to thrive in this digital age. Partner with us to leverage the highest quality solutions and effectively achieve your lot number management goals.

For more information, write to us at [oraclemarketing@ltimindtree.com](mailto:oraclemarketing@ltimindtree.com).

### 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: [www.ltimindtree.com](http://www.ltimindtree.com)