



Let's Solve



# Smart Construction

## Worker Safety

A serious workplace injury can affect, you, coworkers, families, friends, and even communities too. LTI's Worker Safety Solution is focused on ensuring the safety of workers at their place of work through the Internet of Things (IoT). This provides additional benefits from improved planning, decision-making and helps avoid uncertainties with real-time tracking.



A Larsen & Toubro  
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### Challenges

- Accidents, incident and breaches at the workplace resulting in injuries affect workforce morale and impact your brand
- Inability to view real-time location of workers and their availability
- Inability to monitor & manage plant operations
- Inadequacy of data to take proactive measure to avoid incidents



### Solutions

- Real-time location tracking of people and assets based on RFID technology
- Implementation of rules restricting unauthorized access at site
- Tracking movements of resources in hazardous environment i.e. excavation areas, edge of a high-rise area in a building under construction, through intelligent devices (tags, cameras and others)
- Collision detection algorithms for predicting potentially dangerous situations based on zone classifications and movement information
- Real-time acoustic alerts, alarms and notifications
- Leveraging headgears, smart wearables, AR/VR and video surveillance to augment the solution

## Benefits



LTI (NSE: LTI, BSE: 540005) is a global technology consulting and digital solutions Company helping more than 350 clients succeed in a converging world. With operations in 30 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivaled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 28,000 LTIites enable our clients to improve the effectiveness of their business and technology operations, and deliver value to their customers, employees and shareholders. Find more at [www.Ltinfotech.com](http://www.Ltinfotech.com) or follow us at @LTI\_Global

