

Unilever's Transformative Journey: Achieving Industrial Safety and Efficiency Across 14 Facilities with a Unified All-in-One Solution



Customer Overview

Unilever, one of the largest FMCG companies in the world, is known for its diverse portfolio of well-known brands across various categories, including food and beverages, home care, personal care, and more. The company has 300 factories and an extensive sales & distribution network across 190 countries with 161,000 employees. While being an innovative, sustainable and efficient company is at their core, the company puts utmost importance to the safety of its employees. This case study explores Trio Mobil's innovative IoT solutions, featuring Trio Safe and Fleet Bridge, implemented across 14 Unilever facilities. Additionally, it covers RTLS and emergency assembly point solutions in four cold storage facilities, all aimed at achieving zero accidents and enhancing efficiency.

Project Achievements



Enhanced Forklift Safety:

Leveraging our cutting-edge UWB technology, we've successfully implemented a system that proactively triggers warnings in instances of dangerous proximity and enforces slowdowns in designated areas, culminating in a substantial enhancement of forklift safety. This approach significantly mitigates the risk of accidents and fosters a safer working environment.

Improved Safety in High-Risk Areas: In areas prone to potential hazards, such as narrow corridors, busy intersections, doorways, and zones with high pedestrian density, our solution plays a critical role in safeguarding employees and operations. By enforcing appropriate forklift speeds, our system actively reduces the likelihood of accidents and fosters a secure workplace environment, ensuring the well-being of all personnel.

Optimized Efficiency: Real-time tracking of forklifts has revolutionized how Unilever manages its fleet, allowing for a comprehensive analysis of performance metrics. This invaluable data-driven approach empowers data-based strategic decision-making, enabling Unilever to streamline operations, improve workflows, and enhance overall production efficiency across their expansive facilities.

Elevated Protection For Lone Workers: Unilever significantly enhanced the safety of their employees operating in challenging cold storage environments. By providing immediate response capabilities during emergencies, our system substantially mitigates risks, reinforcing Unilever's commitment to a safer work environment for lone workers.



For more information please visit our website

TRIOMOBIL

Why Did Unilever Choose Trio Mobil's Solutions?

- **Unified platform** for all solutions and **unified system** for safety & RTLS solutions
- Trio Mobil provides a **complete range of safety solutions**, from forklift safety to lone worker safety with its comprehensive product portfolio.
- Trio Mobil's **end-to-end process**, which encompasses meticulous demo, discovery, and installation procedures, ensures a seamless and robust implementation experience.
- Innovative and reliable solutions tailored to the specific needs of the industry by a **team of seasoned R&D experts**.
- **Modular solutions** that can easily be integrated as the project evolves, ensuring adaptability and scalability.

Tailored Solutions to the Needs of Unilever

Our dedicated team conducted a thorough evaluation of Unilever's operational challenges, resulting in tailor-made solutions:

TRIO SAFE Forklift Safety System : For Unilever's extensive forklift fleet in 14 facilities, we introduced the TRIO SAFE forklift safety system, utilizing **Ultra-Wideband (UWB)** technology. This comprehensive solution not only enhances forklift-pedestrian safety and forklift-forklift safety but also includes zone-based forklift slowdown features. It **warns** of pedestrian/forklift proximity, **automatically reduces forklift speed** in hazardous situations, and **minimizes** overturning risk.



FleetBridge Forklift Telematics Solution: Our Telematics system enhances fleet performance and safety through advanced technology. It generates detailed reports covering forklift efficiency, vibration analysis, and operator insights.

TRIO LOCATE Lone Worker Safety and Emergency Muster Area Management: TRIO Locate is implemented to enhance lone worker safety in 4 different cold storage facilities with advanced trackers featuring SOS buttons. These trackers trigger alerts for worker inactivity, enabling swift emergency responses. In addition, they facilitate automatic head counts in the emergency assembly points, while panic buttons on hardware can be used to notify units. Personnel cards are identified via communication with the Gateway in the meeting area.



In summary, our solutions **empower Unilever to excel in high-density production while upholding top-tier safety standards**. Through innovative technology and tailored approaches, we elevate productivity and workforce safety simultaneously.



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