

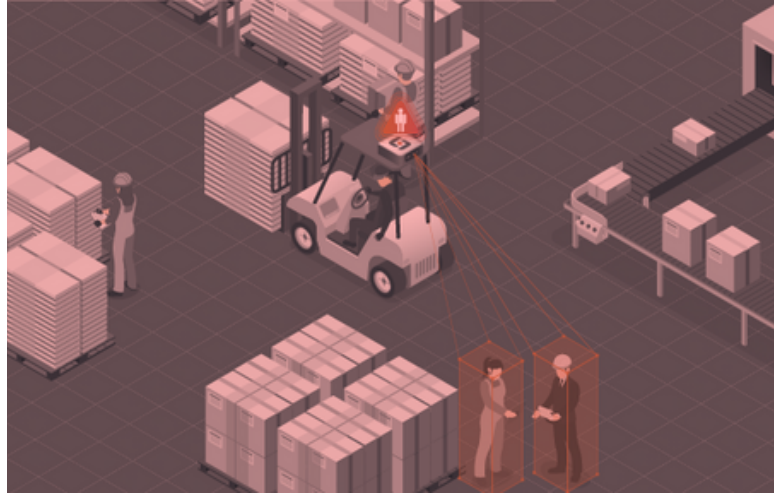
# Person-Detection for Forklift Operators

Use Case

Safety

## Problem

The increase in foot traffic and congestion at busy intersections within the facility creates safety challenges for both pedestrians and forklift operators. Obstructions like infrastructure, shelving, and other barriers can limit the visibility of forklift operators, increasing the risk of accidents and near-misses involving pedestrians.



## Solution

*Slamcore Aware* leverages Visual SLAM technology, enabling forklifts to have "eyes" in the form of cameras. The system not only tracks the real-time location of all forklifts but also detects the presence of pedestrians that the forklifts observe. When one forklift detects a person, their position can be instantly shared with all other forklifts in the facility. This enables a pedestrian approaching an intersection to be seen by one forklift (Forklift A), but if another forklift (Forklift B) approaching the same intersection has not seen them, Forklift B can be immediately alerted, preventing potential accidents.



*Slamcore Aware* is a robust, vision-based Real Time Location System (RTLS) for forklifts and other manually driven vehicles. It combines state-of-the-art visual-inertial SLAM and AI technology to provide a foundation for intelligent positioning and situational awareness without the need for expensive infrastructure to be installed in the facility. By integrating with Warehouse/Fleet Management Systems, *Slamcore Aware* enables monitoring, analysis and optimization of facilities' operations.