

Understand the effectiveness of operational decisions

Use Case

Analytics

Problem

Facility operators face the challenge of determining the optimal shelving arrangements, best vehicle for the job and driver routes to maximize throughput. With numerous possible setups, it's **difficult to identify which changes will enhance efficiency**. Currently, operators receive only simple metrics like the number of pallets moved before and after changes, without understanding the underlying reasons for these variations. This lack of insight makes it challenging to decide on future adjustments and understand the reality of their decisions.



Solution

Slamcore Aware enables facility operators to capture the precise positions of all forklifts, allowing them to **analyze key performance metrics before and after implementing changes**. Operators can assess whether their adjustments have increased average speeds, reduced idle times, or minimized the distance between picks. By identifying which changes have the most significant impact on throughput, operators can continuously refine their strategies. With detailed insights, they can review performance on a monthly, weekly, or even daily basis, adapting to the evolving needs of the site and accurately **understanding the effects of their modifications**.



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.