slamcore

Create harmony between manual & autonomous vehicles

Use Case **Fleet Management**

Problem

In facilities where autonomous robots operate alongside manual drivers, the lower speed of the robots often causes **delays for the faster-moving manual drivers**. Robots frequently obstruct the paths of manual drivers, leading to delays and inefficiencies.

Solution

With *Slamcore Aware*, the location of manual drivers is continuously tracked. This information allows a central fleet manager to **dynamically adjust the paths of autonomous robots**, ensuring they do not obstruct manual drivers. Robots can be instructed to stop, pull aside, or alter their routes to minimize interference, thereby improving overall efficiency and reducing driver delays.

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.

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London, UK | Boston, MA

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