

CYNGN SAFETY

360° AWARENESS AND MULTIPLE REDUNDANCIES TO KEEP YOUR WORKERS SAFE

Unlike most other AMR providers, Cyngn uses returns from multiple sensors, including a 3D lidar, each with different computer vision methodologies.

Together, these technologies enable advanced autonomy solutions with redundant safety systems.

CYNGN'S ADVANCED AUTONOMY SUITE:

AI Models Detect Objects & Tracks Pedestrians
DriveMod's decision engine interprets what the lidar sees to make decisions 3x faster than a human driver. 3D lidars bring 360° vision to the vehicle by continuously monitoring the surrounding area for obstacles and obstructions.

Virtual Bumper
Cyngn's collision avoidance system, Virtual Bumper, is a part of the network of on-vehicle sensors to increase redundancy, doubling the systems responsible for safety.

LED Lights & Configurable Audio Cues
Color-coded LEDs communicate vehicle status and intent. Beeps, horn honks, and other audio signals indicate when the vehicle is turning, departing, or arriving at a stop.

Emergency Stop Buttons
In the event of a safety incident, you can press the E-Stop button to instantly disable autonomous driving functionality.

KEY BENEFITS

- Our Decision Engine is **3x faster than a human driver.**
- 3D lidars bring **complete 360° vision** to the vehicle.
- 3D lidar completes a **full 360 degree scan of its environment 9 times every second.**

