

Autonomous Mobile Robot

Peer Robotics

One of the key challenges with warehouse automation is the complexity of programming and deploying the mobile robots among human. At Peer Robotics, we are building material handling solutions for small and medium scale manufacturers that are easy to deploy by the people on the shop floors. To achieve this, we streamline and automate tasks that usually required skilled labor with modern AI perception powered by NVIDIA Jetson and Isaac ROS. This new approach enables greater benefits to customers.

- > Better hardware utilization enabling enhanced edge processing (10-20% reduction in CPU usage)
- > 30-40% faster outputs allowing better behavioral response of our robots
- > Enabling twice as many sensor (RGBD Cameras) integration using the same hardware



WHY ISAAC ROS?

“NVIDIA Jetson platform and Isaac ROS SDK has enabled startups like us to build solutions better and faster. Peer Robotics incorporates global localization and NVBlox from Isaac ROS packages along with our stack to provide end to end solutions to accelerate next generation warehouse automation.”

- Rishabh Agarwal, CEO at Peer Robotics