



## **World's First Self-Driving Industrial Cart from CANVAS Technology Brings Driverless Vehicles To Workplaces Long Before Self-Driving Vehicles Hit Streets**

*Carts Are Also First Self-Driving Vehicles To Use 3D Vision To Map and Navigate Dynamic Indoor Workplaces*

August 22, 2017 (Boulder, CO) - Canvas Technology today unveiled the world's first self-driving carts that will go to work in factories and warehouses long before driverless vehicles have any meaningful presence on our streets.

Canvas Autonomous Carts are simple but highly sophisticated autonomous transport vehicles designed to automate one of the most cumbersome, wasteful, and prolific human tasks in the workplace: moving materials from one place to another. Using state-of-the-art computer vision, Canvas is the only commercial self-driving vehicle capable of hands-off operations in highly changing and unstructured environments. By using cameras to map, localize and plan, it sees its environment in rich 3D -- enabling intelligent and safe behavior indoors or out, and in GPS-denied environments.

A wide variety of companies from ecommerce to manufacturing are looking for solutions to improve efficiency, speed and transparency. Canvas Carts move through their environments independently, require no infrastructure, and need no maps created for them. Instead, they continuously map their environment to enable hands-off operations in even the trickiest of workspaces.

“Canvas Carts help companies benefit from autonomous transport and stay competitive,” said Jonathan McQueen, CEO of Canvas. “And the system can be up and running in less than 60 minutes, significantly improving processes without a large investment of time or manpower.”

The carts are powered by Canvas Autonomy, a platform that transforms vehicles into intelligent machines. Canvas Autonomy consists of the compute, algorithms, and sensors necessary to power a wide variety of autonomous mobile devices such as wheeled robots and drones. Canvas enables a fleet of robots to navigate intelligently while sharing their real-time 3D maps, a technology breakthrough that enables the robots to learn from each other and adapt as the environment changes around them.

The Canvas vehicle fleet can be controlled from a simple web application where users can create stopping points and set up routes with a few clicks. They can also connect with enterprise WMS or ERP systems through the Canvas Autonomy API.

The company says automation is now critical for manufacturers and warehouses due to mass customization and ever-shrinking delivery time expectations. According to the Robotics Industry Association, 2 million manufacturing jobs are expected to go unfilled in the next 10 years due to a labor skills gap, making it increasingly difficult to respond to market demands. The Canvas Autonomous Cart system is already deployed and adding value in workplaces across the United States.

### **About CANVAS Technology**

Canvas Technology is a robotics company with a mission to provide end-to-end autonomous delivery of goods. We're creating safe and powerful autonomous technology that can power both indoor and outdoor driving. Canvas is breaking down barriers of cost and complexity at a time when business is more focused than ever on technologies that drive efficiency and automation.

<http://canvas.technology>