



Vision Guided Case Study

Case Study Summary

Daimler Trucks North America

Customer Goals:

- Improve safety, reduce truck travel distance
- Continuous product flow at low cost, no site modifications
- Improve shift-to-shift flexibility

Industry: Manufacturing

Key Activity: Parts delivery

Results:

- Reduced waiting time for parts by 22%
- Decreased parts-to-line time from one hour to 25 minutes
- 98% reduction of inventory deficits
- Reduced need for runners and non-dedicated labor resources



What Our Customers are Saying . . .

“We were looking at an AGV but didn’t want the wire guides, magnets and lasers that come with it – we needed flexibility to be able to change the routes easily and frequently and the GT3 does that for us. We use the GT3 to continually supply parts to our assembly stations. We love its versatility—we are able to simply change and perform multiple routes for our first and second shifts and do a completely different route for our third shift – just that flexibility alone provided us real value”

Donnie Dixon, Supervisor of Materials Control
Daimler Trucks North America

Customer Success Stories

The Challenge

As part of Daimler Trucks North America’s Truck Operating System (TOS), a system-wide continuous process improvement initiative, their goal was to streamline parts inventory management, reduce excessive labor and improve fulfillment processes. In this case, Daimler Trucks looked to decrease waste in terms of time and better match the exact parts requirements with accurate stock levels.

The Solution

By partnering with the Seegrid series of Robotic Industrial Trucks and its patented vision guided **WalkThroughThenWork**® technology, Daimler Trucks was able to deploy the Robotic Industrial Trucks with the following benefits:

- Multiple shift and route flexibility, easy to change as shifts and needs arise, no facility modifications
- Avoidance of costly tape, wire guides and other expensive, unfamiliar AGV technology
- Easy to use and train, less maintenance, lower Total Cost of Ownership, similar platform with existing equipment
- Enhanced TOS, their continuous process improvement initiative and improved awareness of safety practices

The Results

Seegrid’s Robotic Industrial Trucks proved to be a perfect fit for Daimler Trucks “Just In Time” improvement project and yielded substantial and immediate benefits, including:

- **Reduced Cost:** Fewer workflow disruptions, no runners, no increased labor or traditional forklift usage
- **Improved Inventory Handling:** Reduced waiting time for parts by 22%, parts to line by at least 50%, 98% reduction in inventory deficits
- **Improved Safety:** Aisles that are clean and organized
- **Reliability:** Seegrid’s Robotic Industrial Trucks travel safely between 19,000 and 24,000 feet per day
- **Affordability:** Less initial investment than AGV’s, lower maintenance costs, higher Return on Investment
- **Nationally Recognized Best Practice Facility:** The results were so good that the Seegrid Robotic Industrial Trucks have been chosen for expansion into additional Daimler facilities



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For Robotic Industrial Truck success stories, visit us at:
www.seegrid.com/casestudies

