



Our autonomous mobile robots, enterprise software, and best-in-class services for material handling automation deliver profitability for manufacturing, warehousing, and logistics customers around the world.



## **TURNKEY AUTOMATION FOR THE MOST CHALLENGING ENVIRONMENTS**

Seegrid is the leading provider of connected autonomous mobile robots (AMRs) for material handling with millions of production miles driven. Our technology is a continuation of breakthrough robotics pioneered by world-renowned roboticist Dr. Hans Moravec, our chief scientist. After decades of perfecting autonomous navigation technology, Hans founded Seegrid in 2003, bringing mobile robotics to material handling. Seegrid is committed to the advancement of our proprietary, state-of-the-art artificial intelligence technologies—leading the company and our customers into the future of intelligent automation.

With flexible and reliable AMRs, fleet management software, actionable analytics, and best-in-class services and support, Seegrid offers a complete connected solution for autonomous, safe, and reliable material movement. Seegrid technology is proven and unique, protected by 100+ patents, trade secrets, and proprietary know-how.

## Automation Delivered with an Expert Human Touch

We are passionate about delivering superior automation solutions that revolutionize the world's supply chain—autonomously moving material as safely, effectively, and efficiently as possible.

2000+  
AMRS  
DEPLOYED

200+  
CUSTOMER  
SITES

50+  
GLOBAL  
BRANDS

14,000,000+  
PRODUCTION  
MILES DRIVEN



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## Leading global brands choose Seegrid.

Businesses across the global supply chain are under pressure to increase capacity and quickly adapt workflows to evolving demand, and do so safely. Seegrid delivers on the promise of automation with proven products, accelerating Industry 4.0 and lean initiatives with scalable automation, helping the world's largest, most innovative brands achieve a truly connected enterprise to transform into smart factories of the future.

Seegrid's best-in-class services portfolio extends from project design through deployment, change management, user training, and data-driven consultation, accelerating automation initiatives today and into the future. Our experts are focused on delivering superior solutions that revolutionize the world's supply chain—autonomously moving material as safely, effectively, and efficiently as possible.

**With more than 1,800 AMRs running in live production, Seegrid has a proven track record for integrating into complex customer environments.**



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# Seegrid AMRs

Seegrid AMRs see the world just like humans do. Seegrid IQ, our proprietary autonomy technology, fuses data from cameras, LiDAR, and machine learning models with our proprietary 3D computer vision system to create a fully autonomous robotic fleet with an unmatched ability to perceive, plan, and control movement—delivering uncompromising safety and reliability.

## Seegrid AMRs

Seegrid AMRs use their multi-dimensional view of the world for agile navigation, movement, and decision-making. Equipped with our patented, proprietary technology, Seegrid AMRs are proven to perform safely alongside humans, with millions of miles driven in live production environments. Users can train and manage the robots themselves in-house, providing the highest ROI and continuous improvement without limits.



### TRAIN

Drive the robot along your desired routes. During training, the robot captures and builds a robust, multi-dimensional map of the world around it.



### SELECT

Enter your desired destination on the screen and activate autonomous mode.



### DEPLOY

The robot goes to work immediately, driving the trained routes and taking commands from Supervisor to ensure consistent delivery of goods.



Every day, AMRs are hard at work increasing throughput productivity, improving safety, and reducing labor costs for our customers:



### Seegrid Lift CR1

4,000 lb. capacity  
15' lift height  
5.0 MPH



### Seegrid Tow Tractor

10,000 lb. capacity  
4.0 MPH



### Seegrid Lift RS1

3,500 lb. capacity  
6' lift height  
5.0 MPH



#### Proven, Predictable Performance

Seegrid AMRs do exactly what you train them to do—delivering goods on time, every time.



#### Reduce Operating Costs

Seegrid robots optimize workflow processes and cut costs out of your operation with consistent and efficient delivery of goods.



#### Automate Repetitive Tasks

Make the most of complementary strengths: Seegrid AMRs do monotonous hard labor, working alongside humans focused on value-add, cognitive tasks.



#### Quick Time to Value

Seegrid robots can be immediately dispatched or redeployed while production is running for unparalleled flexibility and the lowest total cost of ownership.

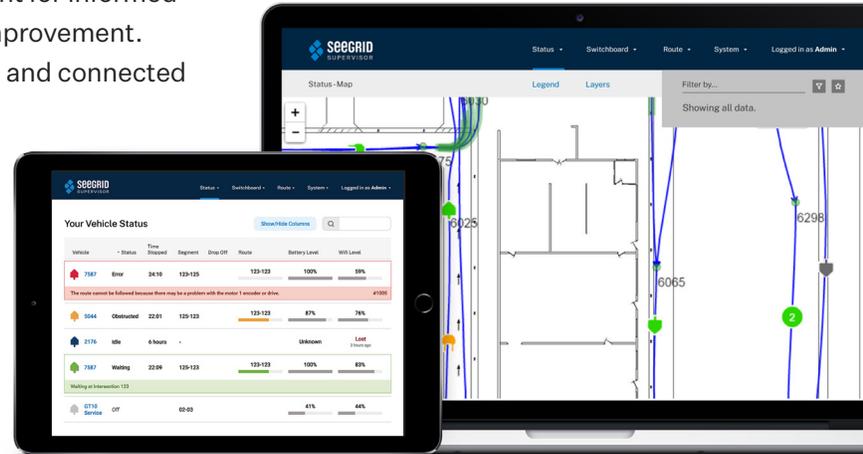


# Fleet Central™

Our enterprise software platform, Fleet Central, includes Supervisor and Fleet Geek™. With vital information about the status and performance of your Seegrid AMR fleet at your fingertips, you can ensure material flow within your facilities is fully optimized.

## Supervisor

Supervisor fleet management software transforms material movement—delivering full visibility, predictability and control of your fleet of Seegrid AMRs. Real-time data provides insight for informed decisions and continuous adaptability and improvement. Supervisor enables integration to WMS/MES and connected devices for optimized workflows: removing waste, increasing throughput, and enabling enterprise-wide scalability.



### Track From Any Device

Monitor the flow of materials throughout your facility from any smart device. Map and status views show where your Seegrid AMRs and materials are going.



### Dispatch on Demand

Dynamically re-route Seegrid AMRs to any location with remote calling, or dispatch available robots to a different task to support changing demand.



### Instant Notifications

Customize your notifications to ensure AMRs are always top performers. Automatic text and email alerts can inform when a robot has a low battery, completes a delivery, and more.

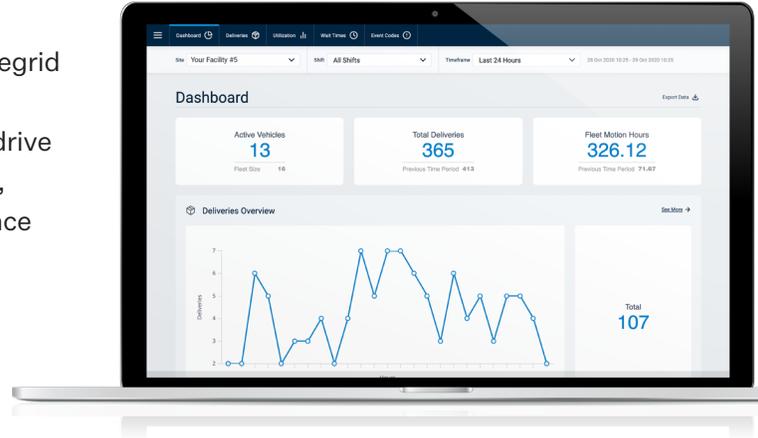


### Material Transit Tracking

Alert assembly operators that AMRs are en route with subway-style estimated time of arrival projections. With ETA views in Supervisor, team members on the floor know exactly when their material will arrive.

## Fleet Geek™

Fleet Geek, Seegrid's cloud-based fleet analytics solution, provides virtualized reporting of your Seegrid AMR fleet performance to deliver the intelligent insights needed to maximize business value and drive continuous improvement. With real-time insights, users can ensure the fleet is hitting key performance indicators and operating effectively.



### Deliver Results with Actionable Insights



Ensure your automation project is effective, on track, and successful.



Accelerate adoption of Seegrid AMRs within your facility.



Better understand fleet performance with up-to-the-minute delivery views.



Streamline processes and reduce downtime with insights into robot activity.



Seamlessly monitor your fleet's movement with insight into overall distance traveled.



Fast-track your ability to scale with proven, data-driven success.



# Service and Support

When you work with Seegrid, our team becomes your team. Seegrid advises and supports you from the initial application scope to daily analysis of your fleet and everything in between. We are passionate about making you successful.

## Expert Support Every Step of the Way

Seegrid's highly knowledgeable professionals will advise and fully scope your project during the initial consultation, provide on-site implementation and deployment services, deliver classroom and on-site training, and continue to support and provide analysis of your operations once your fleet is running in production.



### Scope and Consultation

Our team of industrial engineers work closely with you to develop custom recommendations aimed at optimizing operations to achieve your goals while maximizing the value of your investment.

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### Training and Education

Seegrid AMRs are intuitive and easy to use. Our specialists work directly with your employees, making them feel comfortable and confident to work alongside the robots. Seegrid provides classroom style, hands-on training to help your employees understand how to operate Seegrid AMRs, manage the fleet, report on success, and continuously improve to deliver even more value.

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### Ensuring Success

Seegrid is passionate about your success, and will support you from project kick-off through implementation and beyond. Post-install, our experts will help you measure productivity and suggest ways to drive continuous improvement.

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### Dedicated Support

Our team is available to assist you at any point in time to ensure you are operating as efficiently as possible without disruptions.



## BUILT TO DELIVER

Seegrid AMRs confidently navigate using entirely on-board technology to provide flexible, reliable automation. They do not require physical substructures to operate, such as cables, tracks, magnets, or reflectors.

Seegrid AMRs take commands from Supervisor, real-time fleet management software, and provide analytical insights on workflows and AMR fleet performance through Fleet Geek™. Monitor, control, and continuously improve your operation with a connected solution that supports your unique workflows and ensures consistent delivery of goods.

Seegrid AMRs are built for rapid deployment and flexibility. With our solution, AMRs can be trained in-house without Seegrid engineers. Users can easily train and retrain one or many robots, because routes are saved and can be shared. AMRs can be deployed in minutes to different functions or shifts while production is running.



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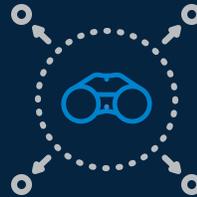
## Does your operation...

- Change and innovate processes?
- Adopt new work shifts?
- Move equipment between facilities?
- Experience peak seasons?
- Launch new product lines?
- Experience labor shortages?
- Make changes to floor layout?
- Operate with just-in-time delivery?
- Experience downtime?
- Have safety incidents?
- Encounter product damage?
- Have social distancing regulations?
- Need to improve throughput?

Seegrid IQ, our autonomy technology, is proven and unique, protected by 100+ patents, trade secrets, and proprietary know-how.

### FULL HEMISPHERE VIEW

Individually equipped with our proprietary computer vision system, Seegrid AMRs see a three-dimensional world just like humans do. Seegrid's AI-based algorithm collects and prioritizes massive amounts of real-world, live data points, enabling Seegrid robots to reliably navigate in busy, ever-changing industrial environments.



### RELIABILITY

With thousands of data points, Seegrid AMRs navigate seamlessly in high-traffic, dynamic facilities.

### SENSOR FUSION

Seegrid AMRs see and process more data, collecting a higher density of information for an extremely accurate understanding of their immediate surroundings.

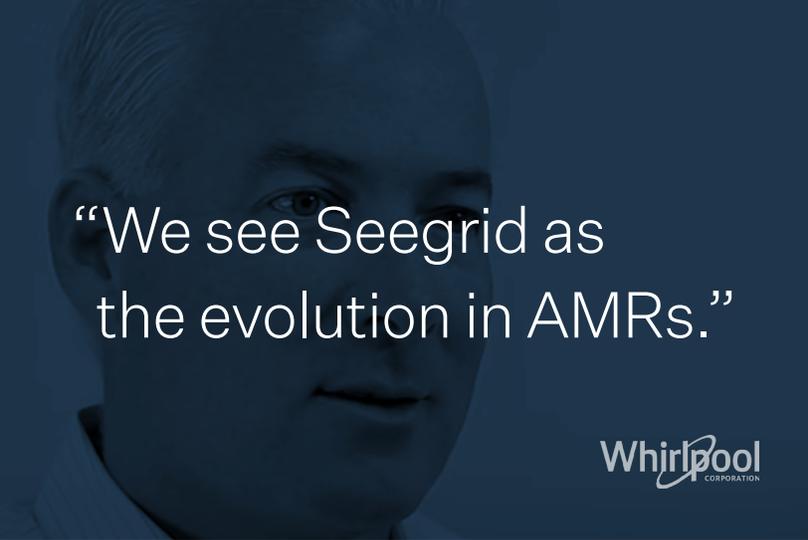


### FLEXIBILITY

Route changes can be made while production is running by simply driving the robot to train the new route.



We're passionate about  
delivering safe, flexible,  
and effective automation  
solutions that work.



“We see Seegrid as  
the evolution in AMRs.”



The Seegrid solution is simple, highly effective, and presented the lowest risk of any other material handling automation available for our parts-to-line application.

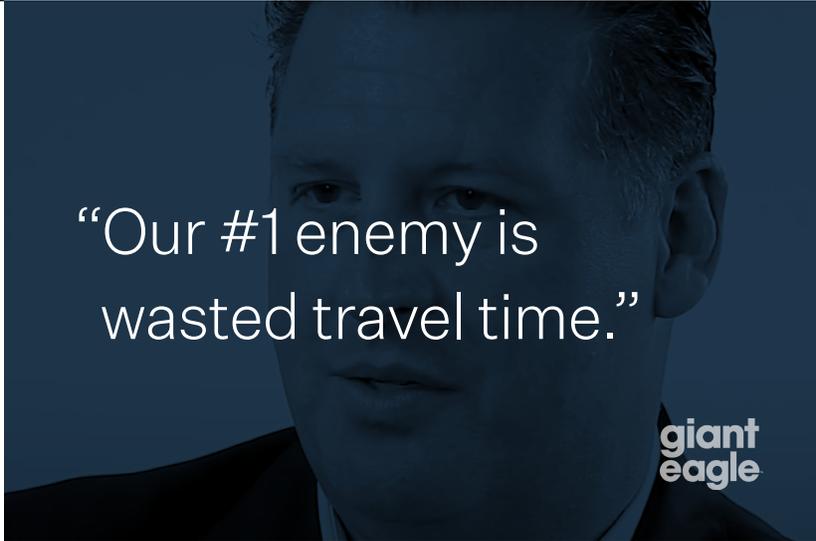
**JIM KEPPLER** | VP, Integrated Supply Chain & Quality  
Whirlpool Corporation

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The cost-effectiveness that the AMRs incorporate has allowed us to remain successful in an extremely competitive environment and bring value to our end customers.

**JOE HURLEY** | Senior VP, Supply Chain  
Giant Eagle

[Watch Video](#)



“Our #1 enemy is  
wasted travel time.”

**giant  
eagle**



“We have seen significant  
safety and operational  
5S improvements.”

**GUARDIAN**  
INDUSTRIES

The AMRs provided benefit in three different areas: safety, automated material delivery to our operational cells, and reallocation of non-value add activity.

**PETER WESTRICK** | Engineering Manager  
Guardian Industries

[Watch Video](#)



# Autonomy That Works

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