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Autonomous Guided Vehicles | SpringerLink

An automated guided vehicle or automatic guided vehicle is a portable robot that follows along marked long lines or wires on the floor, or uses radio waves, vision cameras, magnets, or lasers for navigation. They are most often used in industrial applications to transport heavy materials around a large industrial building, such as a factory or warehouse.

Application of the automatic guided vehicle broadened during the late 20th century.

Automated guided vehicle - Wikipedia

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Automated guided vehicles are used for tasks that would typically be handled by forklifts, conveyor systems or manual carts, moving large volumes of material in a repetitive manner. AGVs are used in a variety of applications. They are often used for transporting raw materials such as metal, plastic, rubber or paper.

What are automated guided vehicles? - 6 River Systems
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This brief presents an optimization-based method to calculate such trajectories for autonomous vehicles operating in an uncertain environment with moving obstacles. The proposed approach applies to linear system models, as well as to a particular class of nonlinear models, including industrially relevant vehicles, such as autonomous guided vehicles with front wheel, differential wheel, and rear-wheel steering.

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Autonomous Guided Vehicles & Mobile Robots - Motion Control

Thursday, 12 March 2020 A new autonomous guided vehicle (AGV) is being developed that could help transform the

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horticultural sector and help tackle the labour shortage. A prototype is being designed to meet the complex needs of commercial horticultural, following the launch of our project last year.

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