Radioshuttle®

WE CONVERT SPACE INTO BUSINESS

Sophisticated, yet easy to use.

↗ Productivity

↔ Maximize Storage Utilization

✓ Maintain Optimal Selectivity
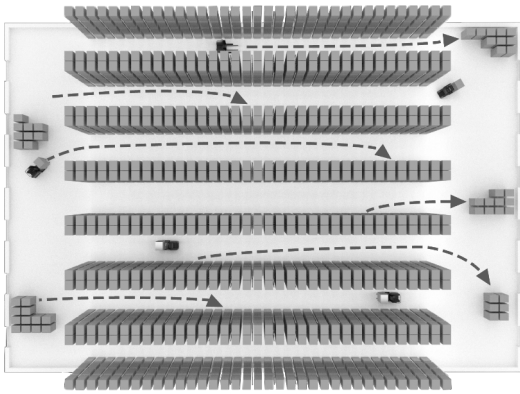
$ Cost Effective
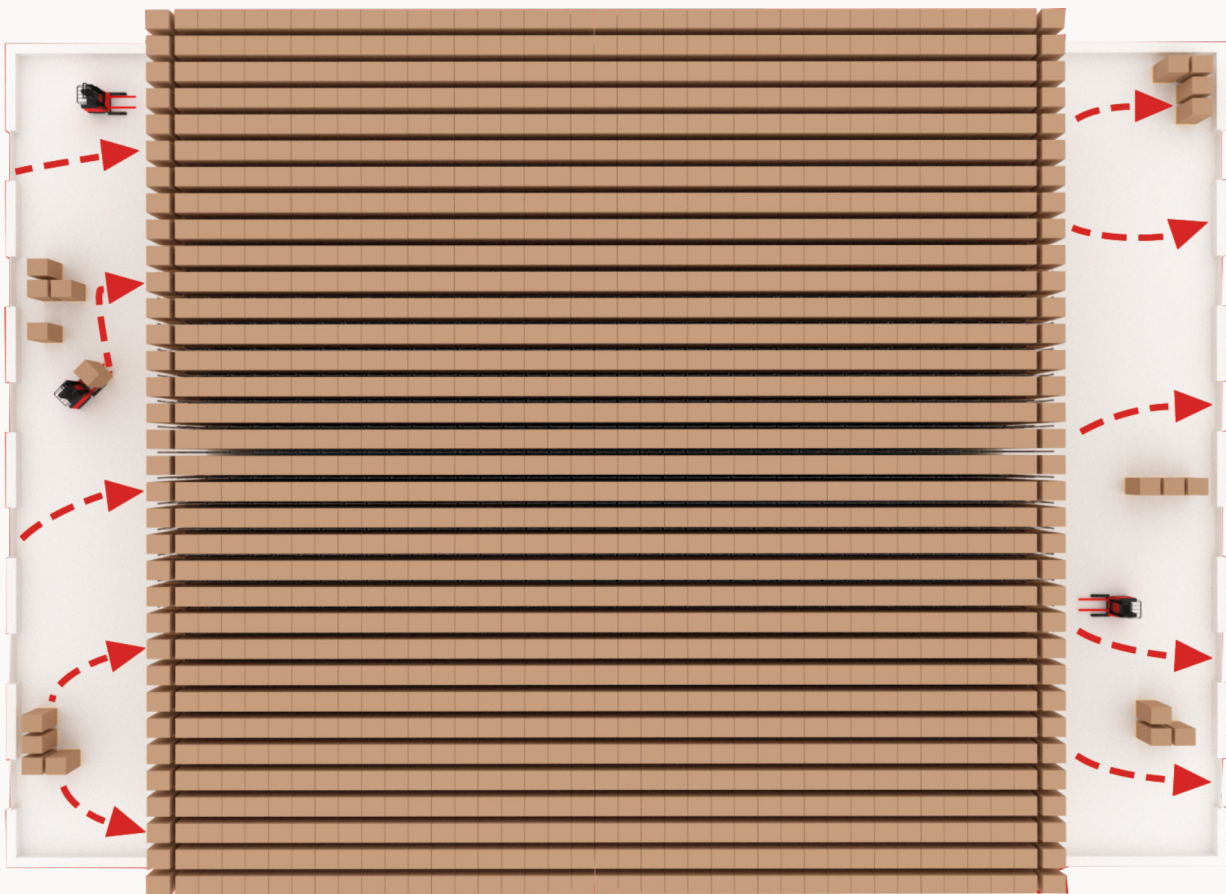
✕ Minimize Damage

↑↓ Efficient Movement of Goods

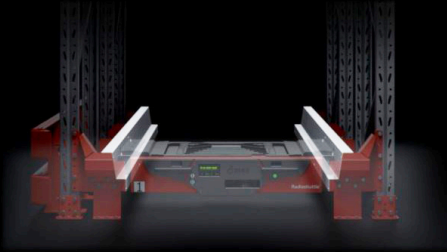# Move pallets faster,
store more pallets.

Traditional Warehouse pallet storage.

Radioshuttle® FIFO storage.

2x
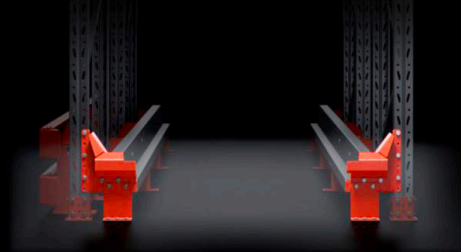**The pallets**

2x
The speed

Structure

Rail

Our patented Radioshuttle® rail has a wide top opening. This allows the operator to place the shuttle into the structure quick and easily!

The combination of our high strength rail and Radioshuttle® poly wheels will result in a structure that lasts for decades.

Entry Guide

→ Aiding the operator in loading the shuttle into the structure.

→ Guiding pallets into the first position - both vertically and horizontally.

→ Protecting the rail with several deflection plates.
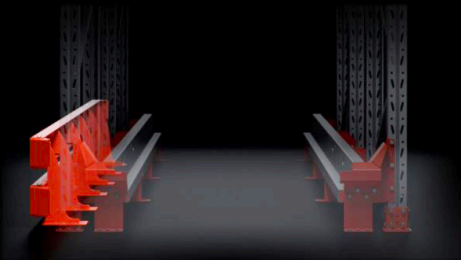
Frame Protection

For outer frame uprights and truck aisles we provide:

→ Machine protection netting to keep people clear of any storage lanes for continued safe operation.

→ Aisle upright protection to protect the entire structure from any accidental bumps during travel along aisles adjacent to the system.

Shuttle

Fully Automated

RS 6.0 works with more than 150 different approved pallet configurations. Pallets up to 1,800 kg can be handled by the shuttle.

Radioshuttle® is prepared for Industry 4.0, WiFi, RFID, and WMS.

Ability to read RFID tags. Tags are used to identify every channel and shuttle placement in the warehouse. Must be combined together with WiFi solutions.

Components

Each shuttle is equipped with features like warning lights, audio signals, bright and clear display systems, etc. This is the result of 30 years of evolution and continuous improvement.

#		#	
1	Side guidance	10	Wheel
2	Sweeper arm	11	Grip surface
3	Bumper	12	Forward sensor
4	Battery compartment	13	Directional travel lights
5	Communication information display	14	LED light beam
6	Safety scanner	15	Fork bumper
7	Upward sensor	16	RFID reader
8	Status lamp	17	Inclination sensor
9	Side sensor	18	Remote control

Applications
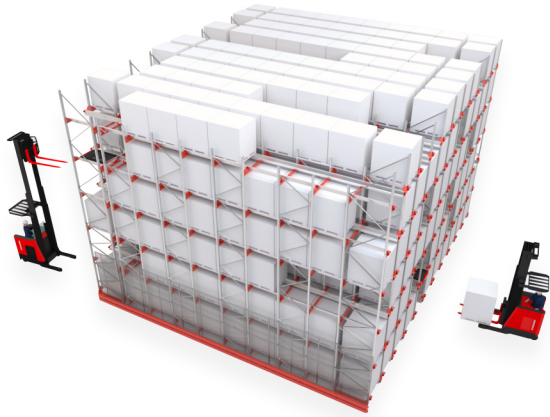
FIFO. First in first out.
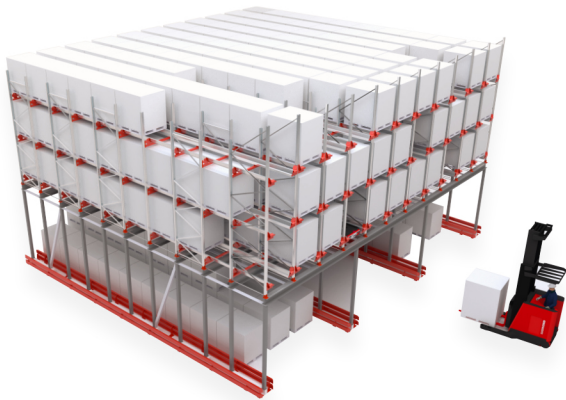
Especially good for date critical items, as product moves quickly through the system.
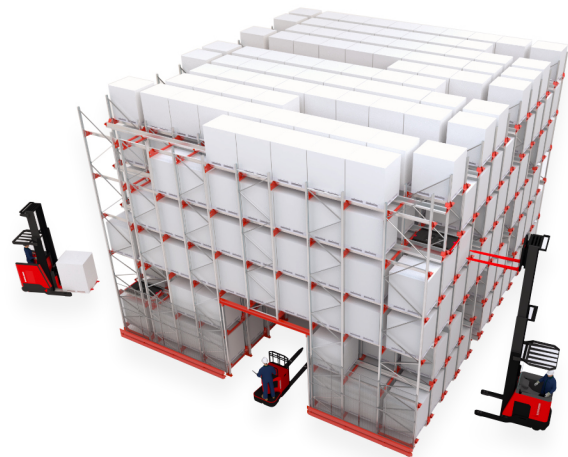

FILO. First in last out.

Great for maximizing space in your warehouse, as far side can be placed against a wall.

Mezzanine for Staging.

Showcases your beautiful items while creating ample storage space, great for tall ceilings.

Pick tunnel.

Frees up space to drive through your system.

Options

Ⓟ Parking Station

Radioshuttle® parking station is designed to accommodate the Radioshuttle® when it's not in operation.

⚡ Charging Station

Fast, easy and controlled charging of batteries.

🔋 Lithium Battery

→ 40% lighter than the PB acid-gel.
→ The battery can be charged directly even though it comes from a freezer environment.

🚃 Work Platform

Should the inside of the rack need to be accessed, the work platform will safely take you to the desired location.

Success Stories

Click to watch the movie

Radioshuttle®
@ Red River Foods

"We now know that we have a system that can accommodate our business in the best way possible."

Red River Foods specializes in commodity trading and importing, focusing on tree nuts, dried fruits, seeds, and specialty snack products. Through the years, they have garnered a loyal clientele of over 200 companies worldwide.

Seeking to optimize their storage capabilities to match their growth trajectories, Red River Foods transitioned from accommodating 700-900 pallet positions with traditional racking. **They now utilize over 3,000 pallet positions with Radioshuttle®.**

Radioshuttle®
@ Little Leaf Farms

Little Leaf Farms, quadrupling growth since 2015, dominate the local lettuce market with their sustainable indoor growing facility spanning 10 acres. Their hydroponically grown greens, pesticide-free and GMO-free, reach consumers within 24 hours of harvest. To manage production volume, they sought an efficient storage system. Their partner Abel Womack proposed Radioshuttle®.

"We knew that Little Leaf Farms were serious about sustainable practices. So, rather than quote pallet flow racking, we (Abel Womack) presented a more unique solution that concentrates the storage footprint of their climate-controlled space and reduces energy costs."

Click to watch the movie

Full Automation

Click to watch the movie

Radioshuttle® + AGV
@ Gundlach

Gundlach Automotive Solutions is the most advanced wheel assembly plant in Scandinavia and an example of what the future of the manufacturing industry might look like. Quality, efficiency, reliability, and sustainability go hand in hand with a vision of zero-defect production.

"The Radioshuttle® system is central to our operation, optimizing both space utilization and facilitating required pace within our system. It has enabled us to maximize storage capacity within our facility. Additionally, the system's efficient design has allowed for a wider aisle layout, facilitating multiple simultaneous workflows. In total, we have 22 shuttles, just slightly fewer than we have employees," says David, Plant General Manager at Gundlach Automative Solutions.

Radioshuttle® + Crane
@ Trioworld

Trioworld offers innovative and sustainable high-performance polyethylene and polypropylene film solutions for consumer- and industry packaging, transport packaging, agriculture, medical and hygiene, forestry, and the food industry.

The Radioshuttle® integration into Trioworld's warehouse management system was transformative, maximizing space utilization and efficiency in their 28, 500 square foot facility. With three stacker cranes and three shuttles, they achieved a remarkable **15, 000 pallet locations**. This expansion in storage capacity was crucial for accommodating Trioworld's diverse product range.

Click to watch the movie
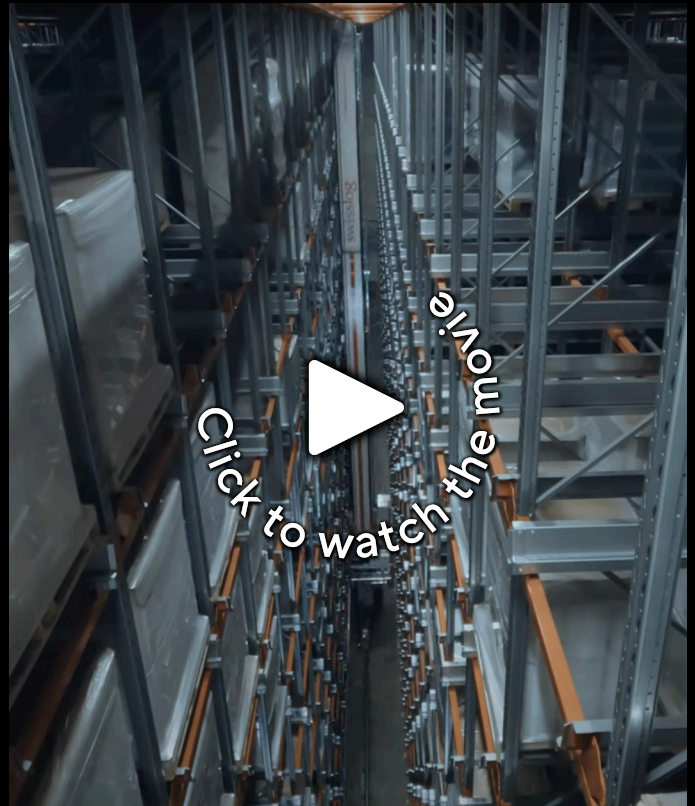
An evolution in efficient warehouse management.

→ ## Fast
The fastest system on the market.

→ ## Safe
Certified in accordance to EN 1349-1:2016.

→ ## Intelligent
High quality components and latest technology gives more flexible handling of different load carriers, prepared for Industry 4.0, WiFi RFID, and WMS.

→ ## Robust
Radioshuttle® can operate in all temperature zones, from freeze to warm environments. Can handle pallets up to 1,800 kg.

→ ## Flexible
Works with almost all kind of pallet types.

→ ## User-friendly HMI
Improved Human Machine Interface

→ ## Proven!
Continuous development for 30 years, experiences from over 1,500 installations worldwide!

❄ - 30 to +40 C
Radioshuttle® works in
All temperature zones.

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A RAYMOND COMPANY

1-800-755-7201
www.associated-solutions.com