STAMH®

STORAGE TECHNOLOGIES & MATERIAL HANDLING

RADIO SHUTTLE SYSTEM

STORAGE SYSTEMS
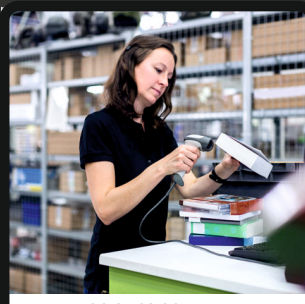

AUTOMATION & CONVEYING

ROBOTICS

WAREHOUSE EQUIPMENT

MATERIAL HANDLING MACHINES

INSTALLATION, INSPECTION, SERVICES

LOGISTICS SOFTWARE

PROFESSIONAL CLEANING MACHINES

SOLUTION FOR EVERY WAREHOUSE
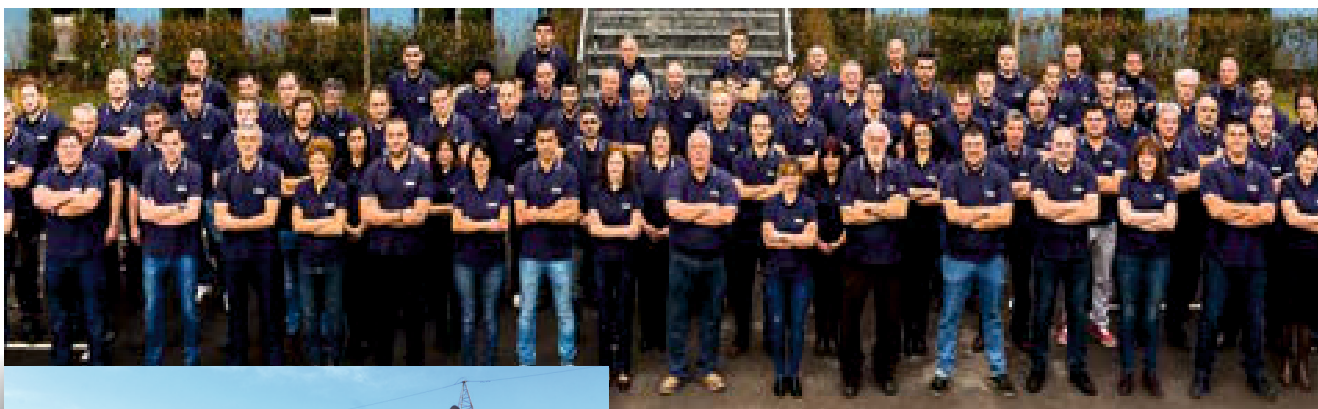
20
STAMH®
years

STAMH® is an engineering company that performs consulting, design and engineering of complex automation and mechanized warehouses, including management software. The territory in which it operates and has its own companies and representative offices is in Bulgaria, Greece, Macedonia, Romania and Serbia and Russia.

Our main products are:
- Ÿ Different type of Automated Storage systems for boxes and for pallets including racks, stacker cranes, conveyers and Management system.
- Ÿ Vertical Automated Storage and Retrieval system for offce and industrial applications
- Ÿ Dynamic roll systems for pallets and boxes, all kinds of roll and belt conveyers and automated sorter systems
- Ÿ Mobile racking systems for pallets and long material
- Ÿ Palletizers and robocars
- Ÿ Warehouse management software WMS
- Ÿ Lifting equipment
- Ÿ Professional cleaning machines

Moskow

RUSSIA

Vienna
AUSTRIA

ROMANIA

Milano

ITALY

Novi Sad

Bucharest

BOSNIA

SERBIA

BULGARIA

MONTENEGRO

Sofia

Skopie

MACEDONIA

11500
orders

4500
clients

21
cuntries

20
years

150
employees

RADIO SHUTTLE
RACKING SYSTEM

¢ Pallet loading and unloading times are reduced.
¢ Larger number of stored references.
¢ Larger number of pallets in depth.
¢ Larger storage capacity.

The Radio Shuttle is ideal to store high-density palletized references and mass storage products.

Using a Radio shuttle considerably reduces the maneuvering times for each operation and optimizes the storage capacity available with compact systems.

This system uses shuttles which move independently with the rack itself meaning the forklifts are not needed to reach inside the storage lanes.

The forklift sets the load on the top of radio shuttle which then moves along the track to deposit the load on the right position. Several sensors accurately control the radio shuttle. The forklift operator easily gives the orders for all entry and exit movements using a remote control device.

Since there are no forklifts in the lane and thanks to the structure's construction system there is virtually no risk of accidents. Another advantage of the system is that there are less damages on the steel structure since the forklift doesn't reach the racks.
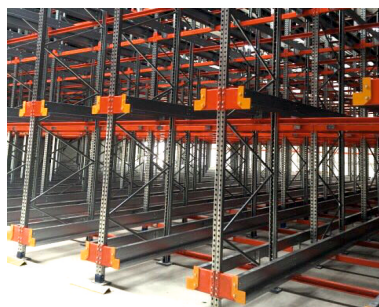
ELEMENTS:
1. Beams
2. Rails
3. Frames
4. Robotic shuttle car
5. Remote control

Applications::
¢ Warehouses with high density of stored goods
¢ Cold storage areas
¢ Buᶦer warehouses for temporary storage or ʃbnished orders

The robotic car is placed at the beginning of the selected tunnel of the system and operator activates it using the remote control. It began arranging pallets in depth of selected storage tunnel under received commands or respectively delivers the desired pallet at front of the tunnel for unloading.
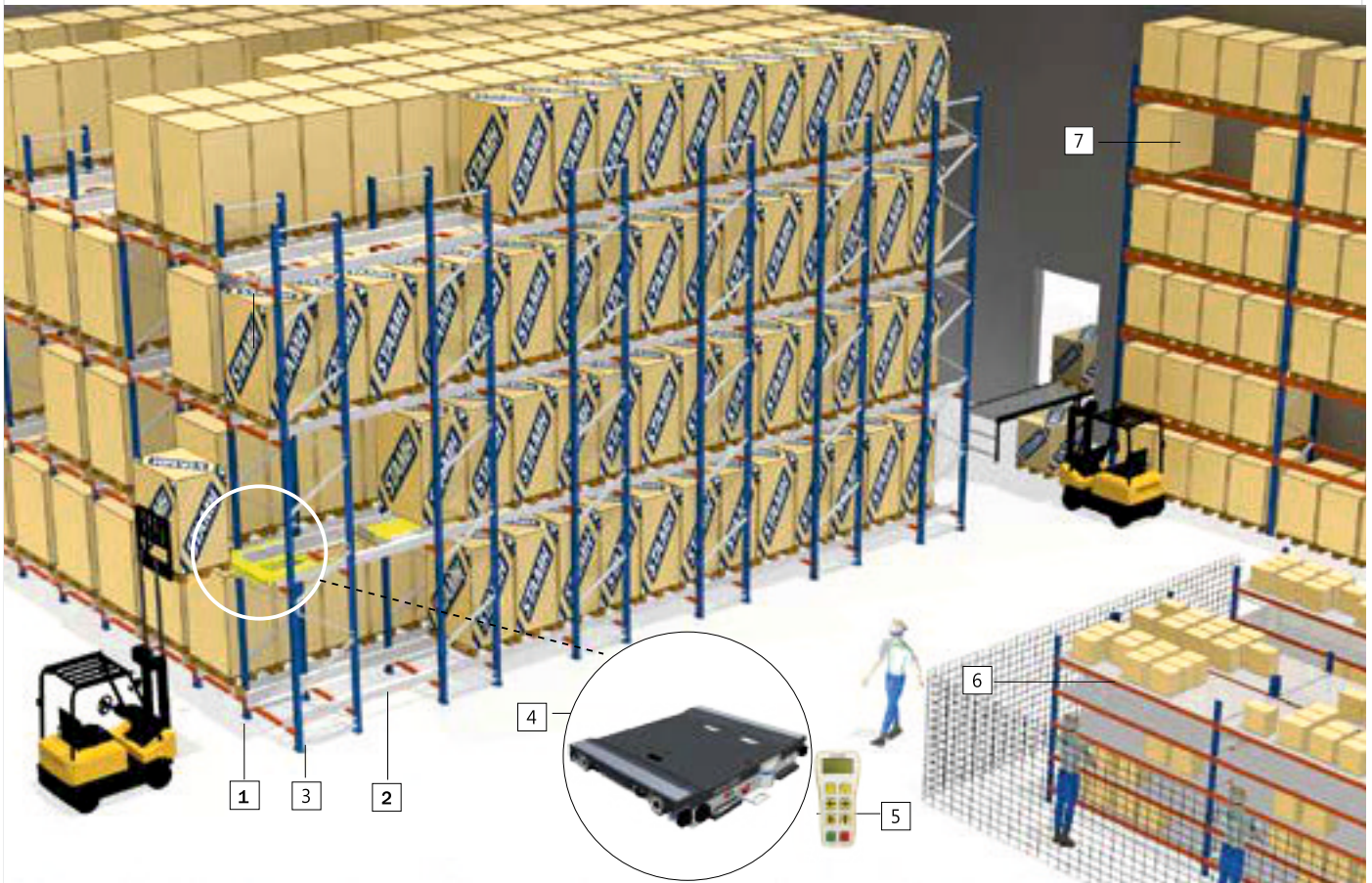
OPERATION DESCRIPTION

STEP 1:
forklift puts shuttle car on the level on which the goods will be stored.

STEP 2:
forklift placed pallets one by one (synchronized with the operation of the robotic car) horizontally at the beginning of storage tunnel.

STEP 3:
The robotic car slightly raises one pallet and moved horizontally until the first possible location

STEP 4:
Before the last pallet to be placed, robotic car will be subtracted ready to work on the next level for storing

RUSSIA

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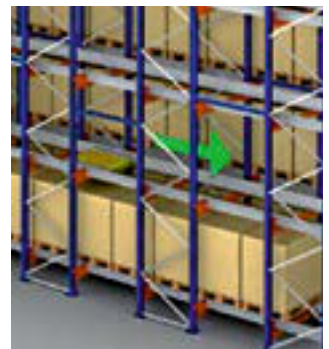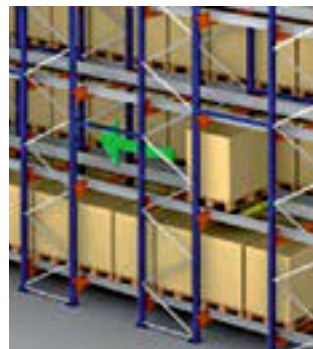
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