HYDRO MECHANICAL



DESIGNED TO SUPPORT BUILT TO PERFORM

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ABOUT US

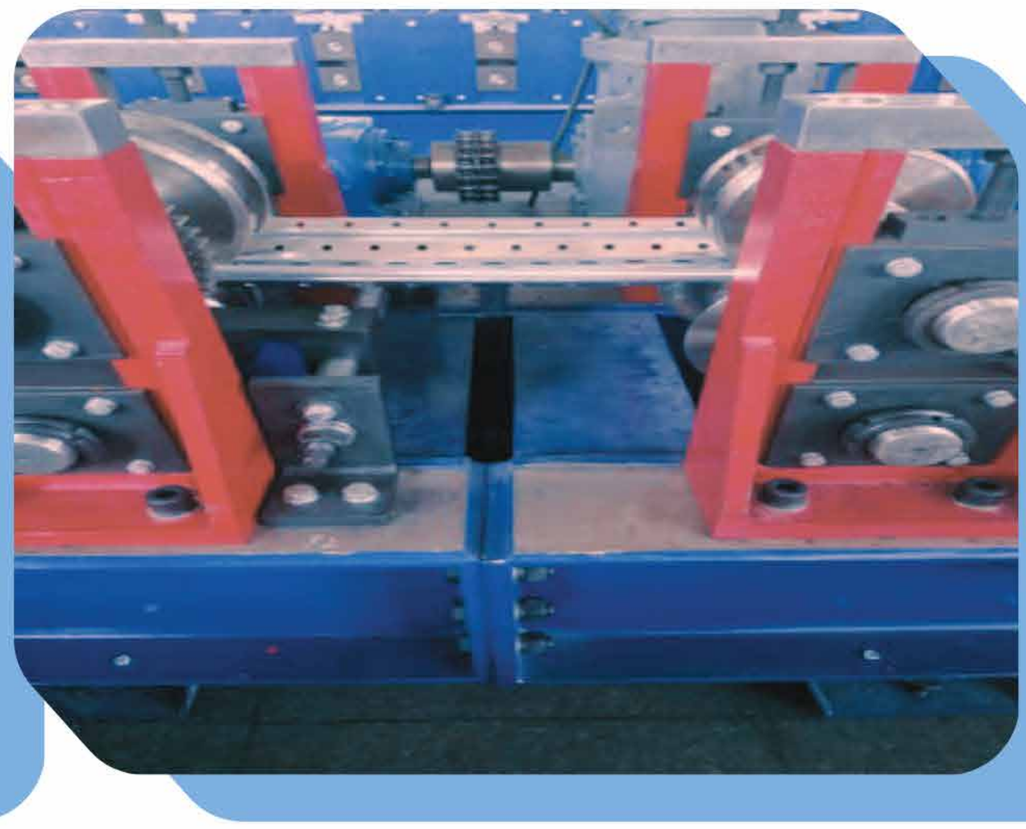
Who We Are ?

HYDRO MECHANICAL specializes in high-quality storage systems serving Egypt, the Middle East, Africa, and North America. Through our strong UK partnership, we uphold the highest manufacturing and quality standards in compliance with Egyptian and British regulations. We provide a wide range of shelving and racking solutions for light, medium, and heavy loads, tailored to meet each client’s specific needs, with complete services from design to after-sales support.



ABOUT US





Mission

We provide innovative storage solutions that exceed customer expectations.

We tailor our offerings to meet evolving needs and unique challenges.

Our mission is to empower businesses with efficient, reliable, and scalable storage systems.

Vision

We aim to strengthen our leadership locally and regionally while expanding globally.

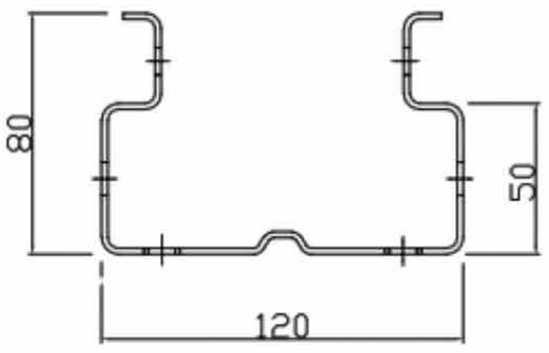
We are committed to driving innovation in storage solutions.

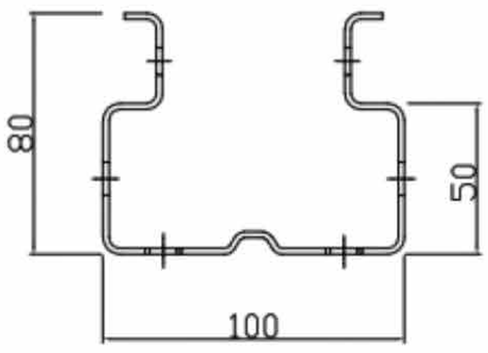
Our goal is to contribute to the growth of the industry.

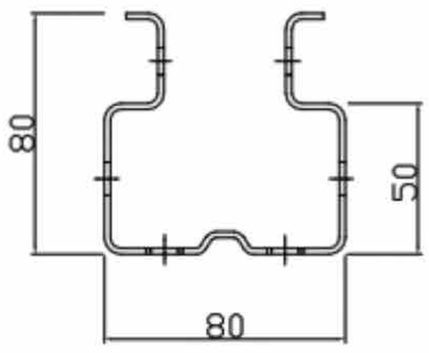


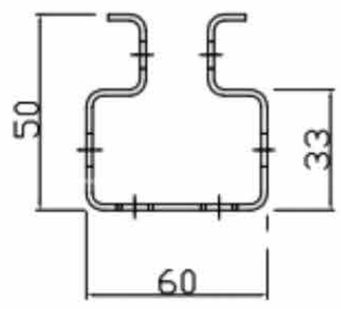
RACKING SYSTEM COMPONENTS

UPRIGHTS



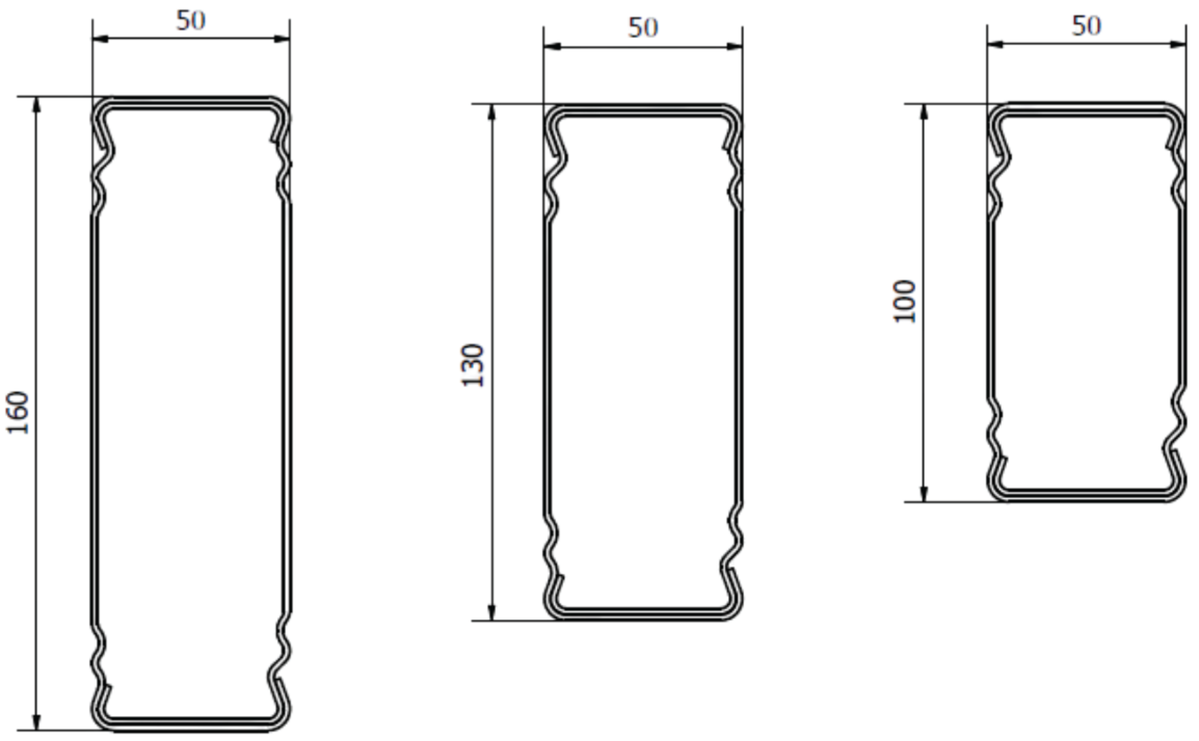


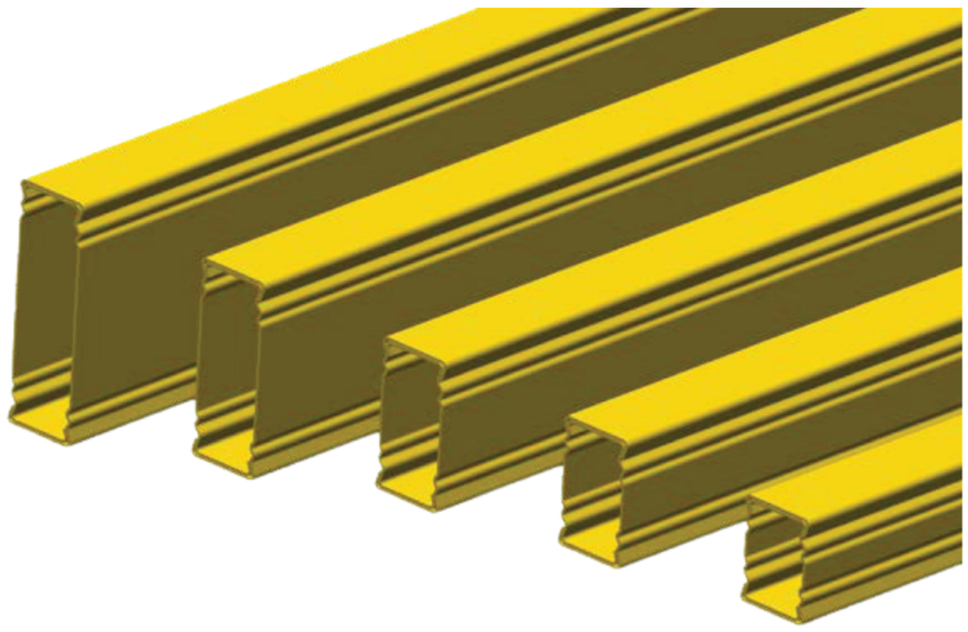




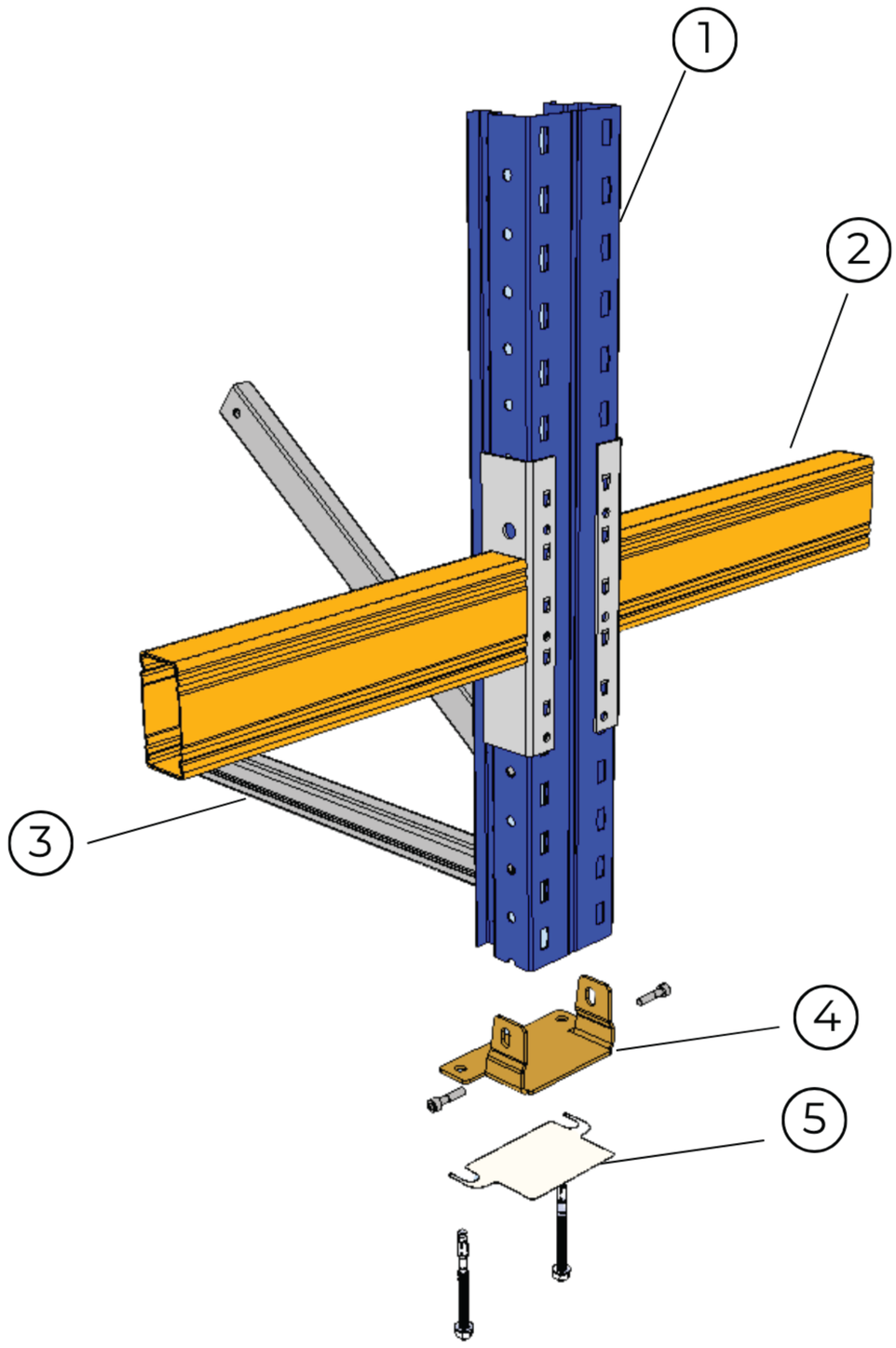


BEAMS

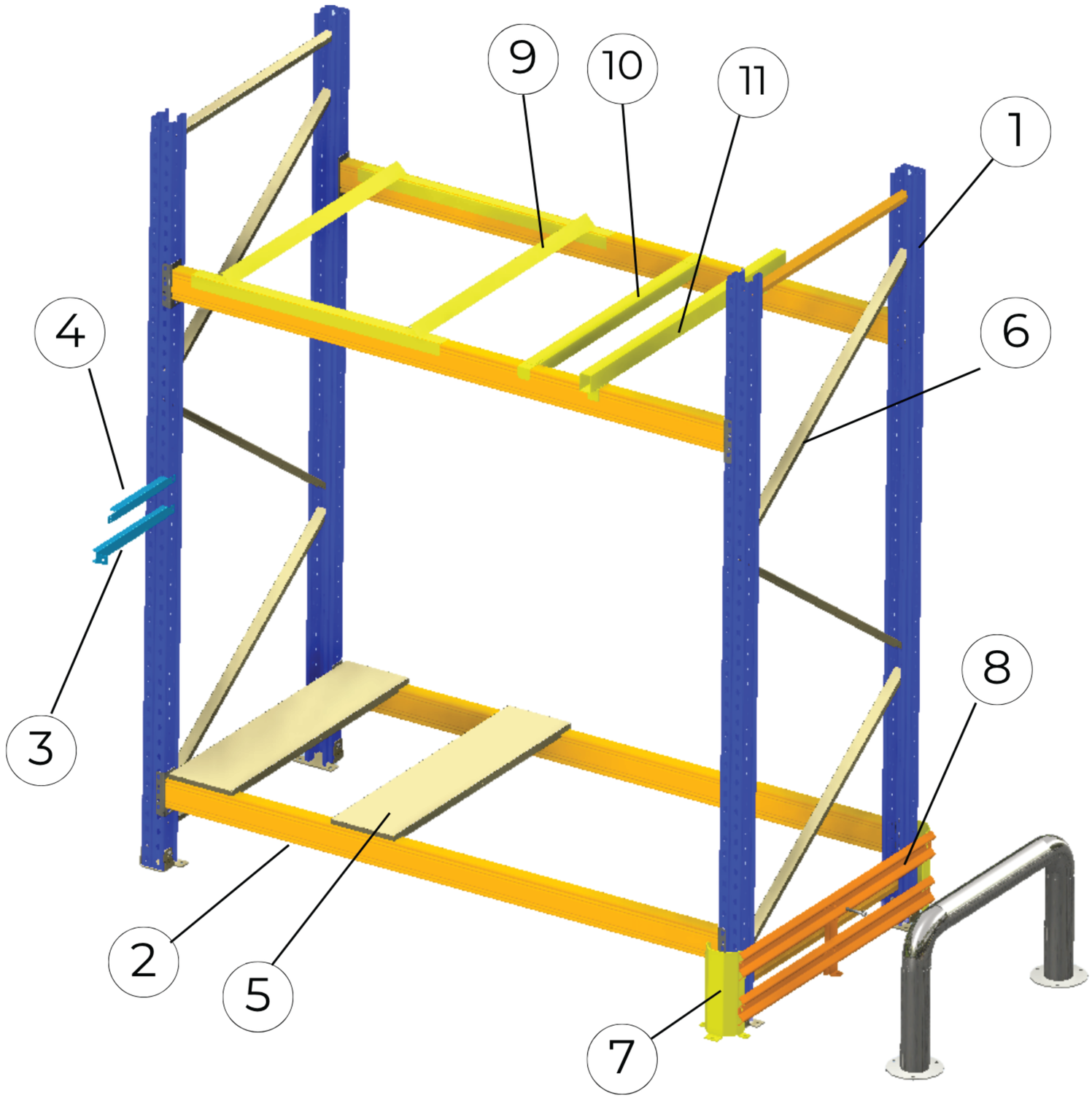




	DESCRIPTION
1	UPRIGHT
2	BEAM
3	BRACING
4	FOOT PLATE
5	SHIM PLATE



	DESCRIPTION
1	FRAME
2	BEAM
3	FRAME SPACER
4	WALL SPACER
5	SHELF
6	FRAME BRACING
7	UPRIGHT PROTECTOR
8	FRAME BARRIER
9	DRUM SUPPORTS
10	PALLET SUPPORT BAR
11	RAISED PALLET SUPPORT BAR



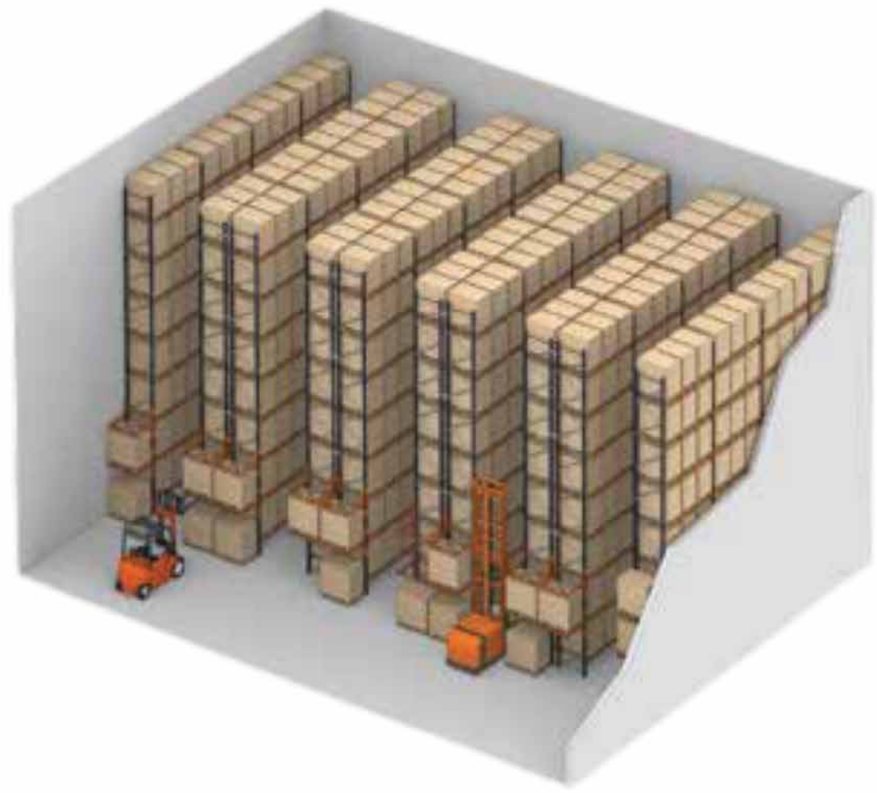
RACKING SYSTEMS

RACKING SYSTEMS

SELECTIVE PALLET RACKING SYSTEM

Core features:

- Direct access to each pallet
- Adjustable beam levels
- Suitable for different pallet sizes
- Cost-effective solution





RACKING SYSTEMS

SELECTIVE PALLET RACKING SYSTEM

Description

Selective pallet racking is the most widely used storage system, providing direct access to every pallet. It is ideal for warehouses handling a wide variety of products.



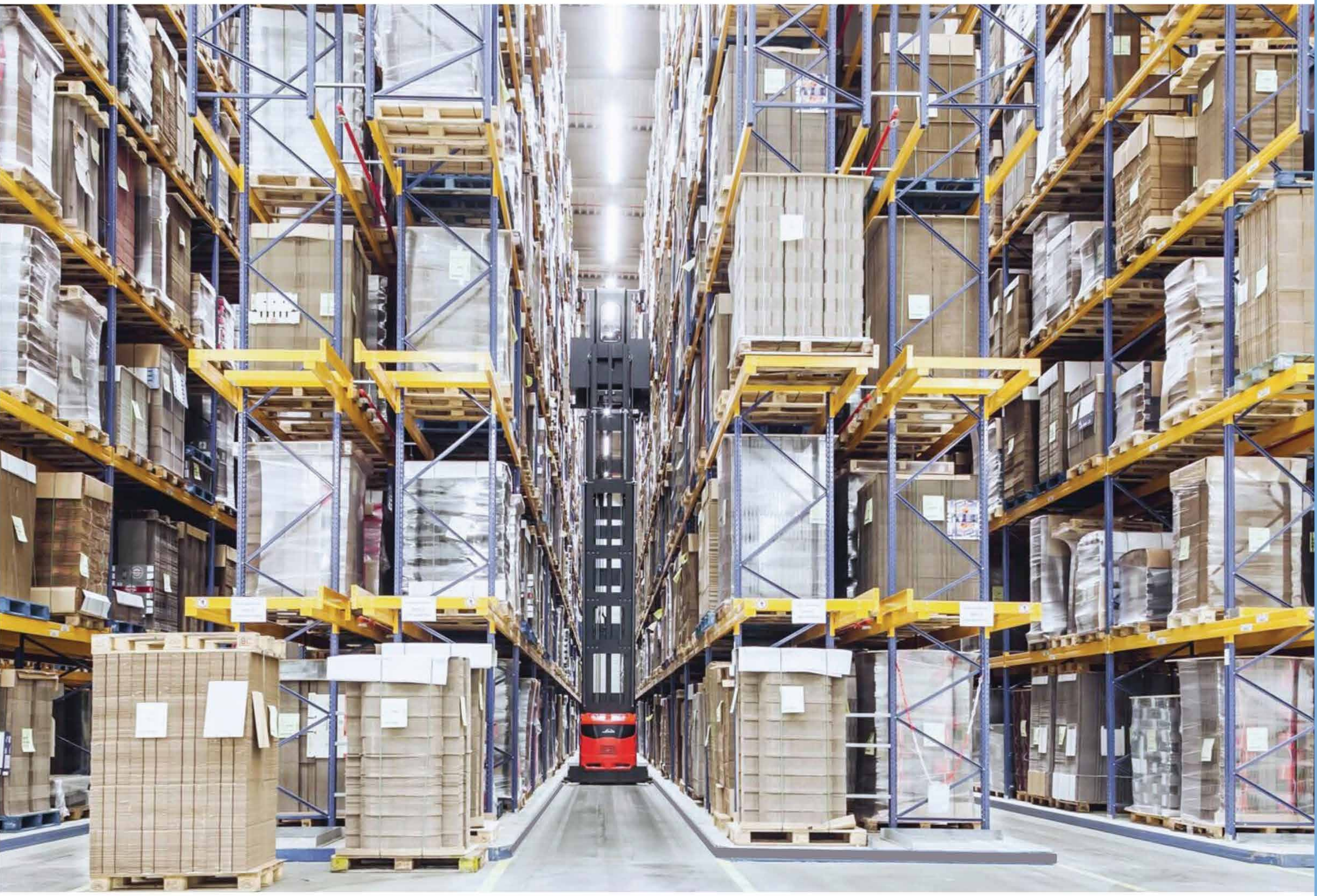
RACKING SYSTEMS

VNA RACKING SYSTEM

Core features:

- Maximizes storage space
- Reduced aisle width
- Increases warehouse capacity
- Ideal for high-rise storage





RACKING SYSTEMS

VNA RACKING SYSTEM

Description

Very Narrow Aisle (VNA) racking is designed to maximize storage capacity by minimizing aisle width. It requires specialized handling equipment.

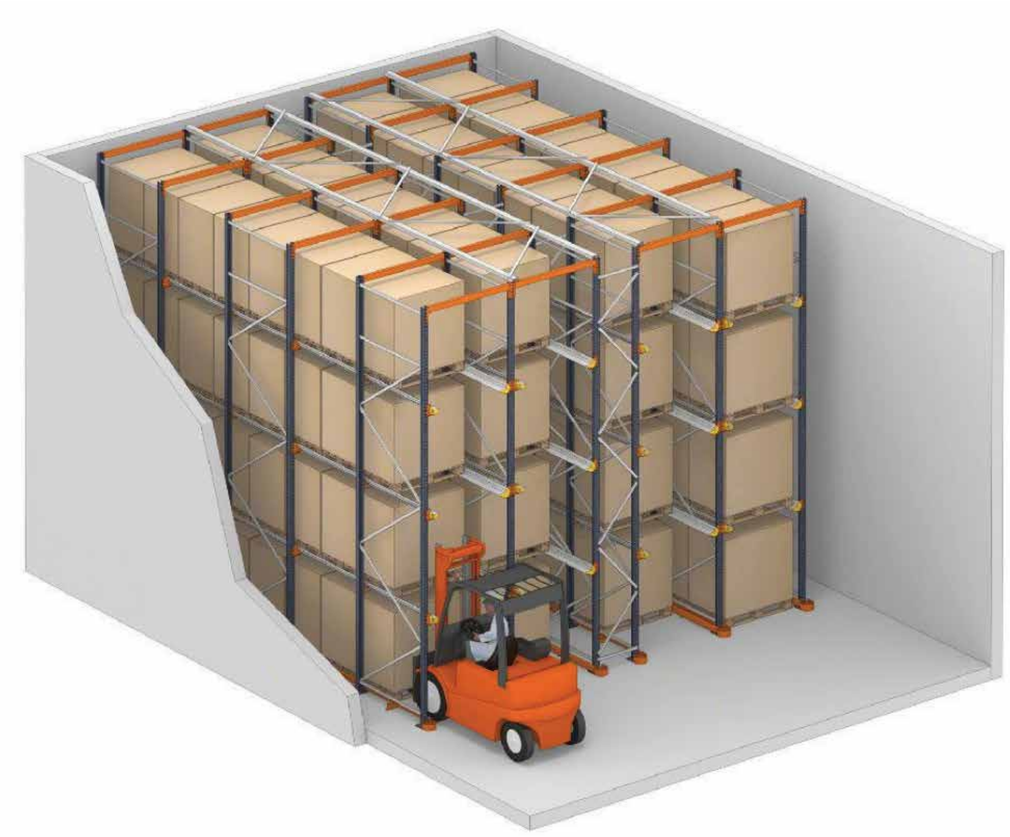


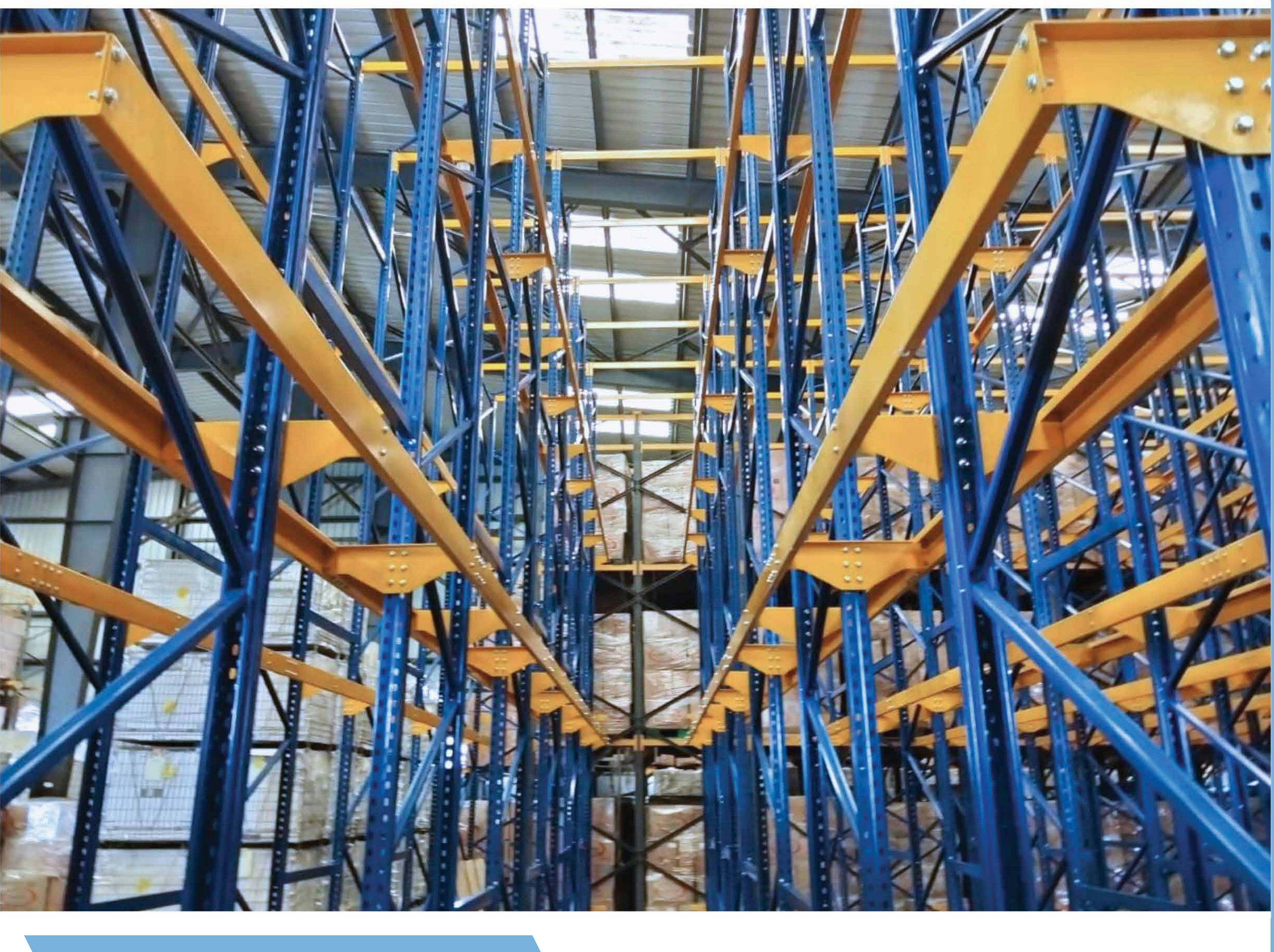
RACKING SYSTEMS

DRIVE-IN RACKING SYSTEM

Core features:

- High-density storage system
- Ideal for bulk storage
- Operates on LIFO principle
- Reduces aisle space





RACKING SYSTEMS

DRIVE-IN RACKING SYSTEM

Description

Drive-in racking is a high-density storage system where forklifts enter the racking lanes to store pallets in depth.



RACKING SYSTEMS

DOUBLE DEEP RACKING SYSTEM

Core features:

- Higher capacity than selective racking.
- Two-deep pallet storage.
- Reach truck compatible.
- Medium-density storage.



RACKING SYSTEMS

DOUBLE DEEP RACKING SYSTEM

Description

A high-density storage solution that stores pallets two positions deep, increasing warehouse capacity and optimizing space utilization. Ideal for medium-density storage and reach truck operations.

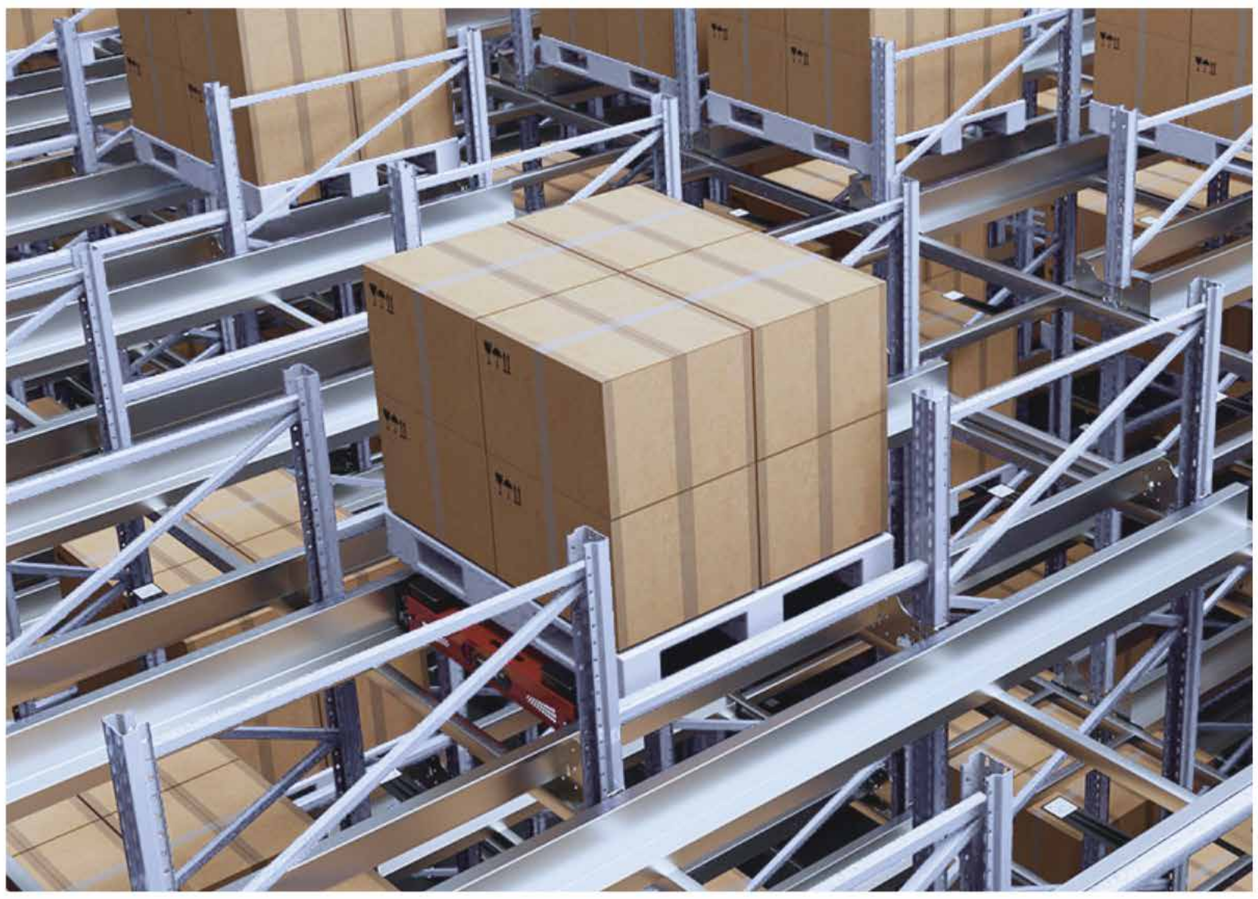


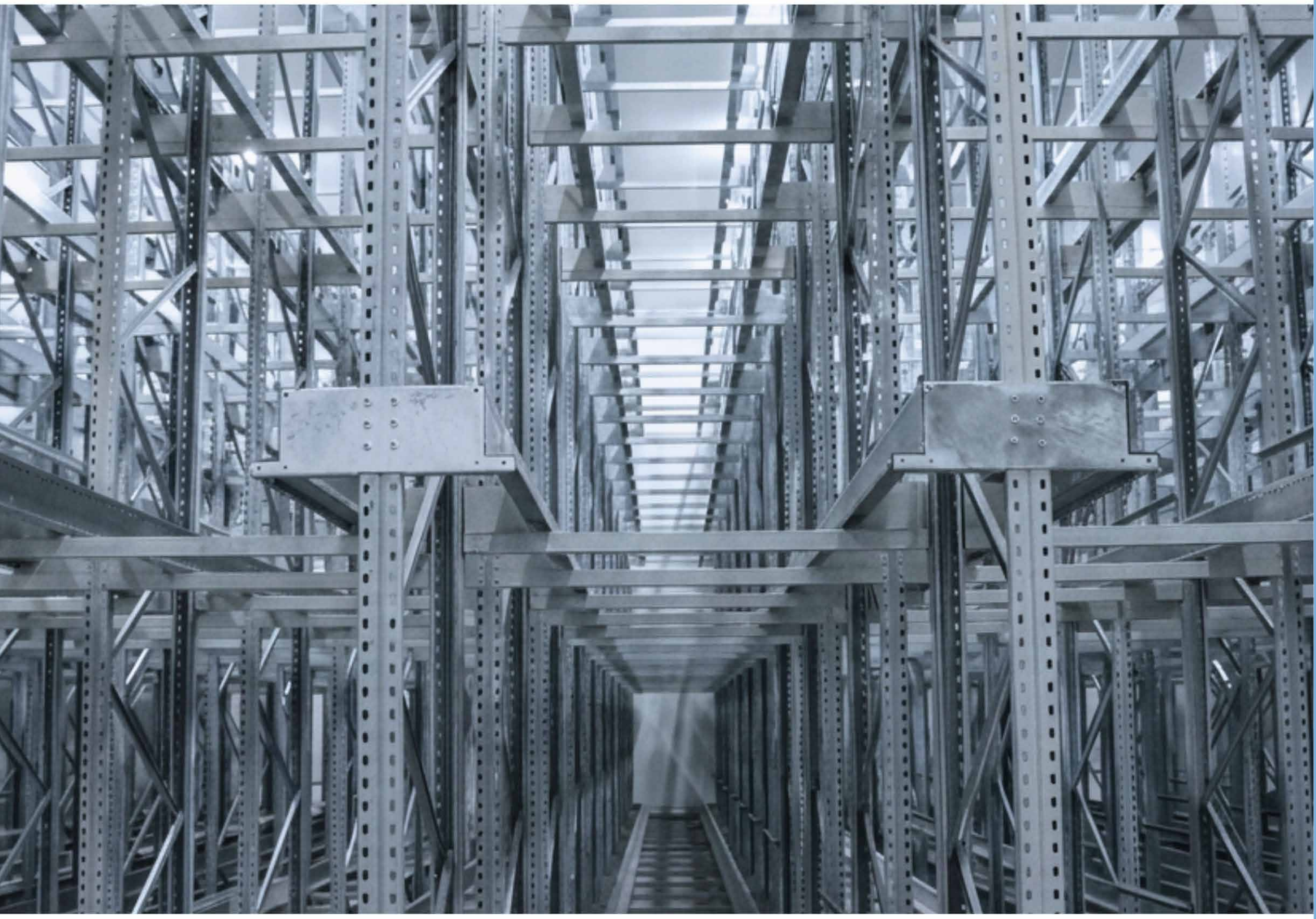
RACKING SYSTEMS

SATELLITE SHUTTLE SYSTEM

Core features:

- Semi-automated operation
- High storage density
- Improved safety
- Supports FIFO & LIFO





RACKING SYSTEMS

SATELLITE SHUTTLE SYSTEM

Description

Satellite shuttle system is a semi-automated solution that uses a shuttle to move pallets inside the racking lanes without forklift entry.





SCU(shuttle control unit) provides ample computing power,a simple structure,and diverse interfaces for intelligent control

Lifting device anti-slipdesign to ensure the operation safety

Plug-and-play battery forimmediate use, no extra wiring orconnections needed

Ergonomically designed handles for easy single-person battery switching

Equipped with Schneider relays to ensure operational safety

Metal limiting wheel to prevent derailment

Sensors (12 intotal) for precision positioning

Automotive grade high-strength steel and specially designed structure for durability

Emergency stop button for operation safety

Anti-collision module to protect the laser sensor and shuttle

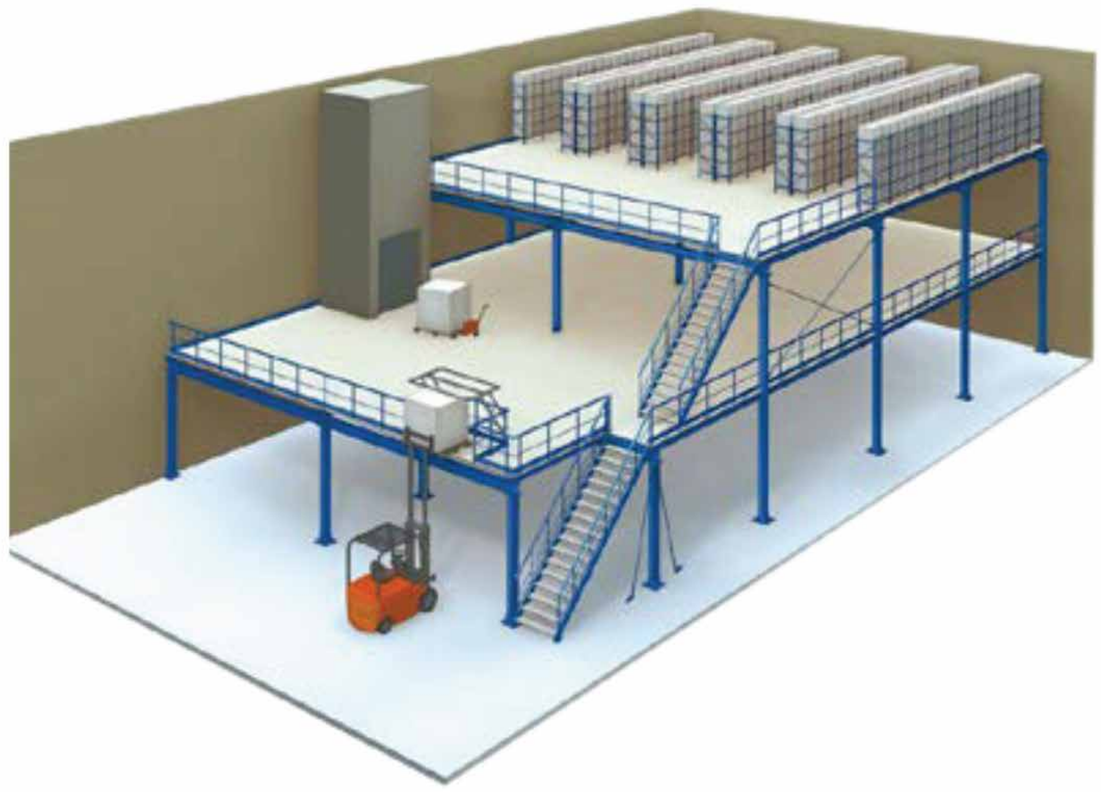
Durable polyurethane wheels allow smooth movement while minimizing damage to racking systems

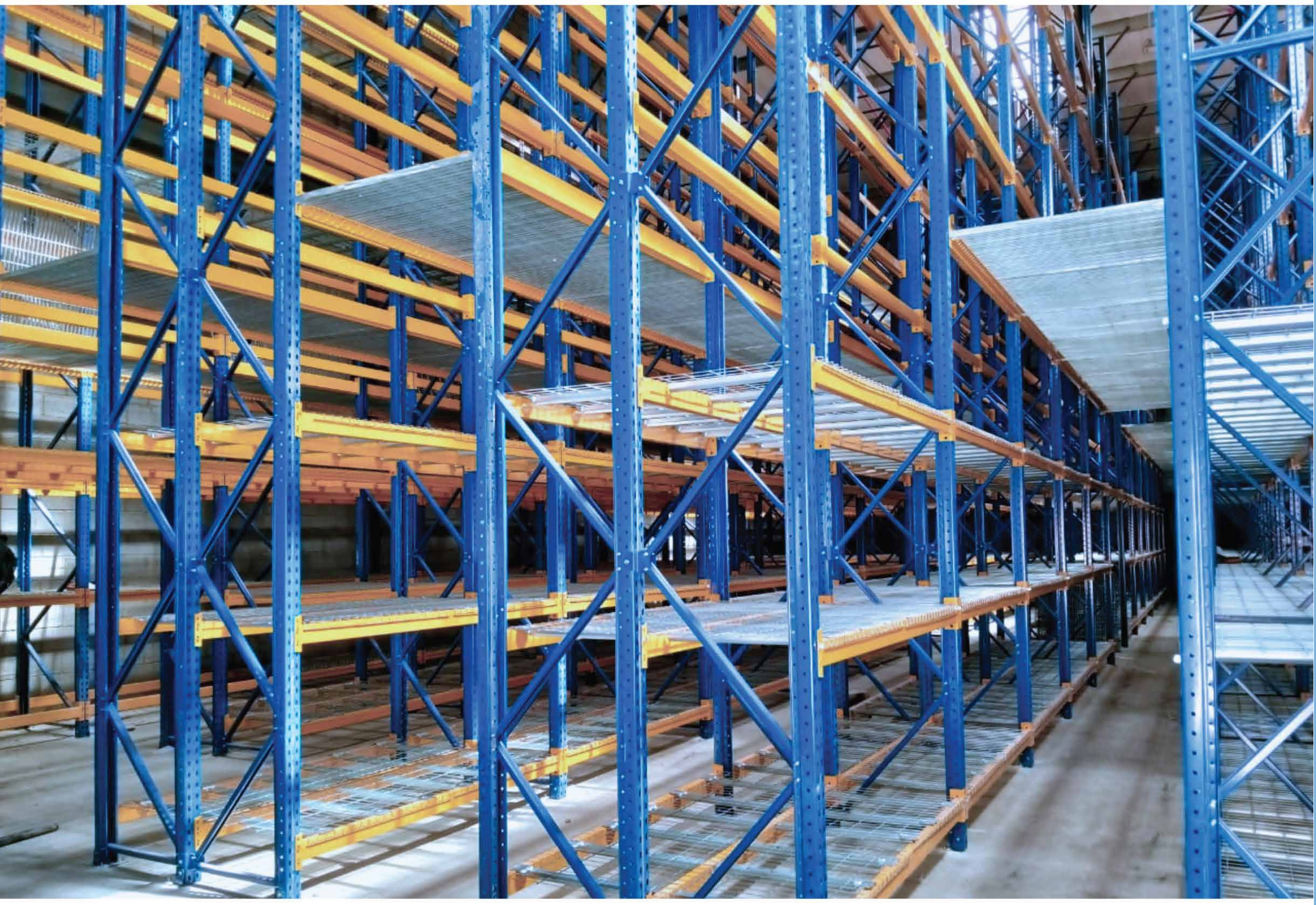
RACKING SYSTEMS

MEZZANINE

Core features:

- Maximizes vertical space
- Multi-level storage
- Customizable layout
- Fast installation





RACKING SYSTEMS

MEZZANINE

Description

Mezzanine systems add extra floor levels inside the warehouse, increasing usable storage space without expanding the building.

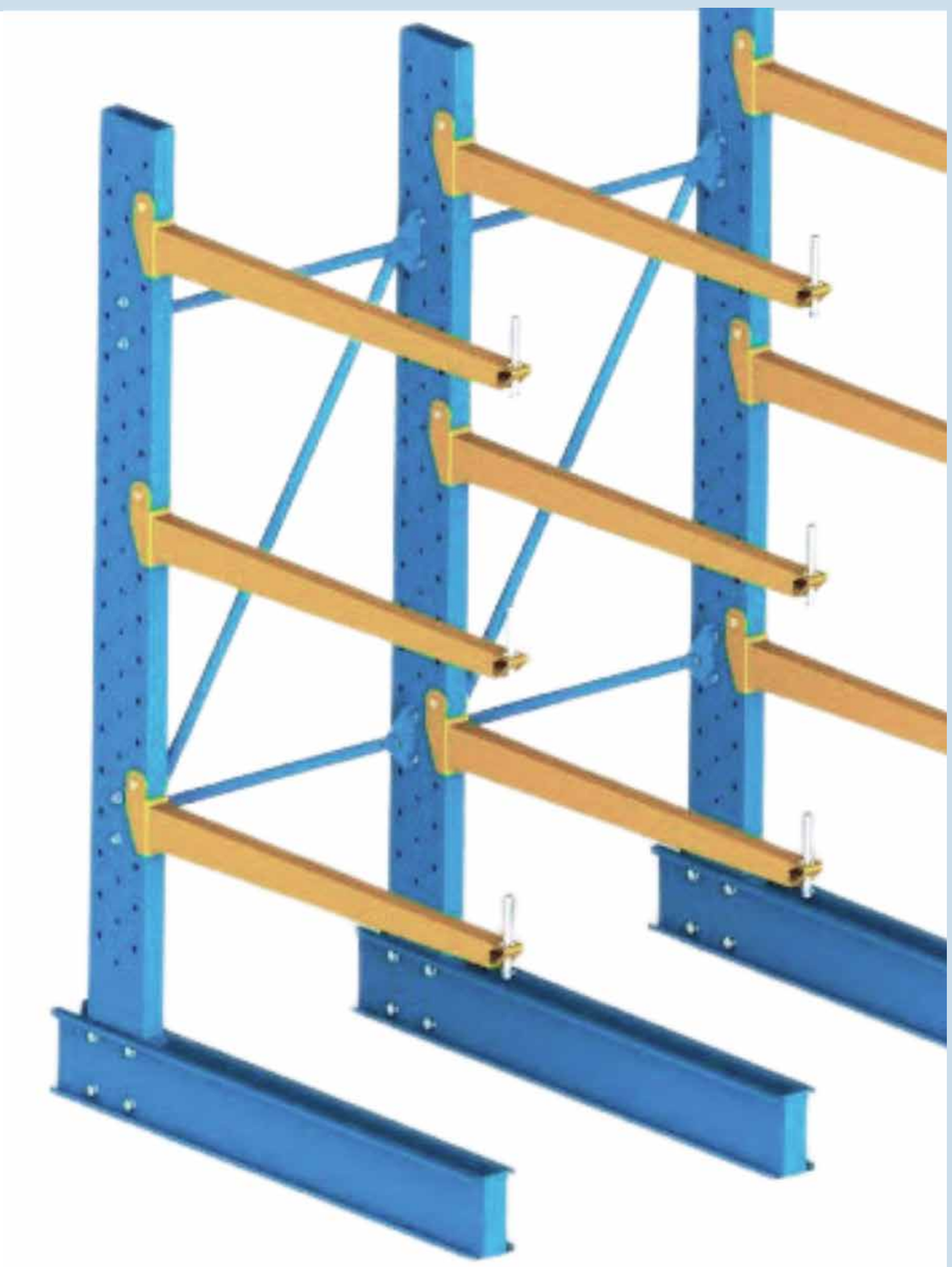


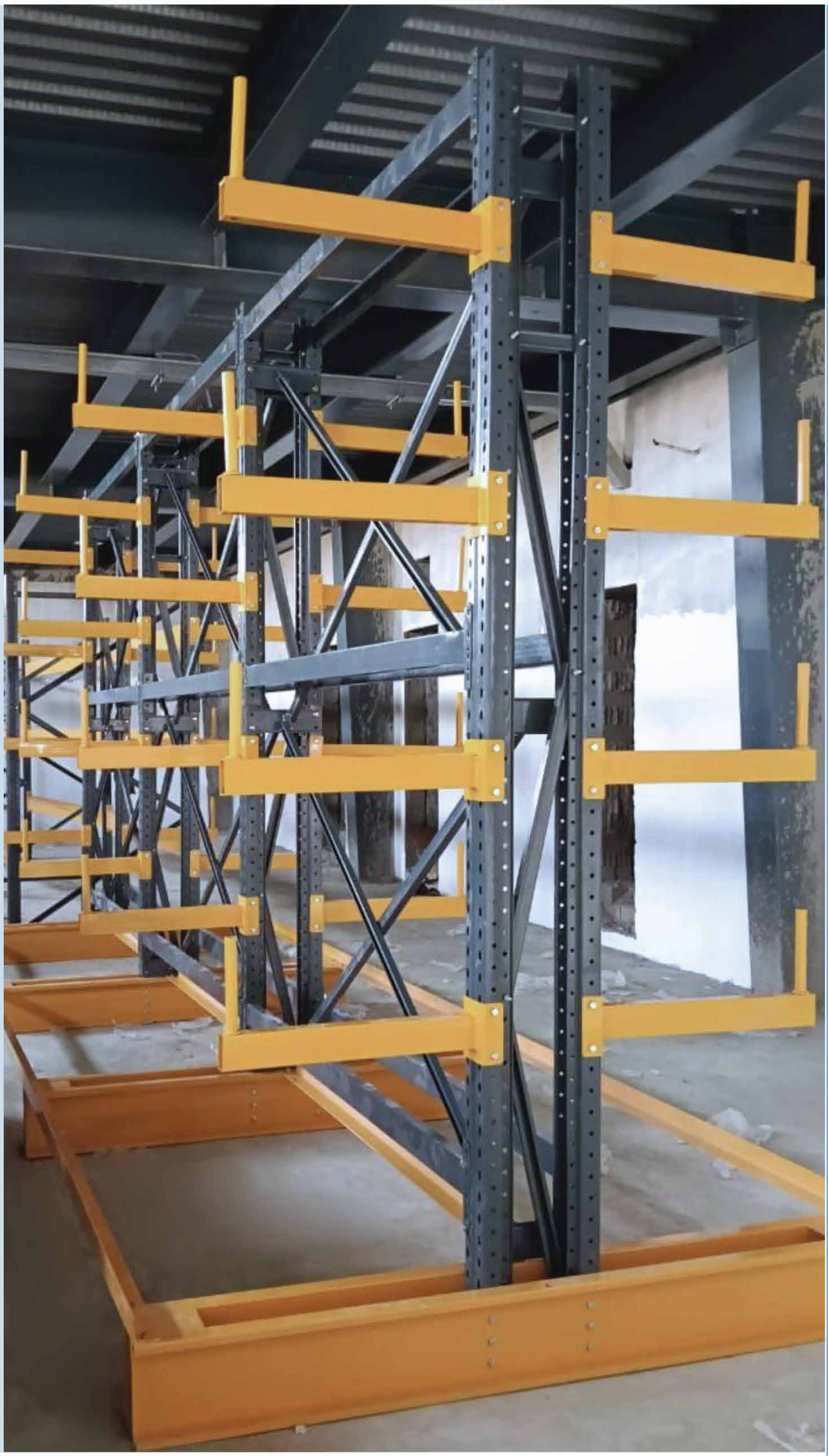
RACKING SYSTEMS

CANTILEVER RACKING SYSTEM

Core features:

- Ideal for long items
- Open front design
- Heavy load capacity
- Adjustable arms





RACKING SYSTEMS

CANTILEVER RACKING SYSTEM

Description

Cantilever racks are designed to store long and bulky items such as pipes, lumber, and steel.

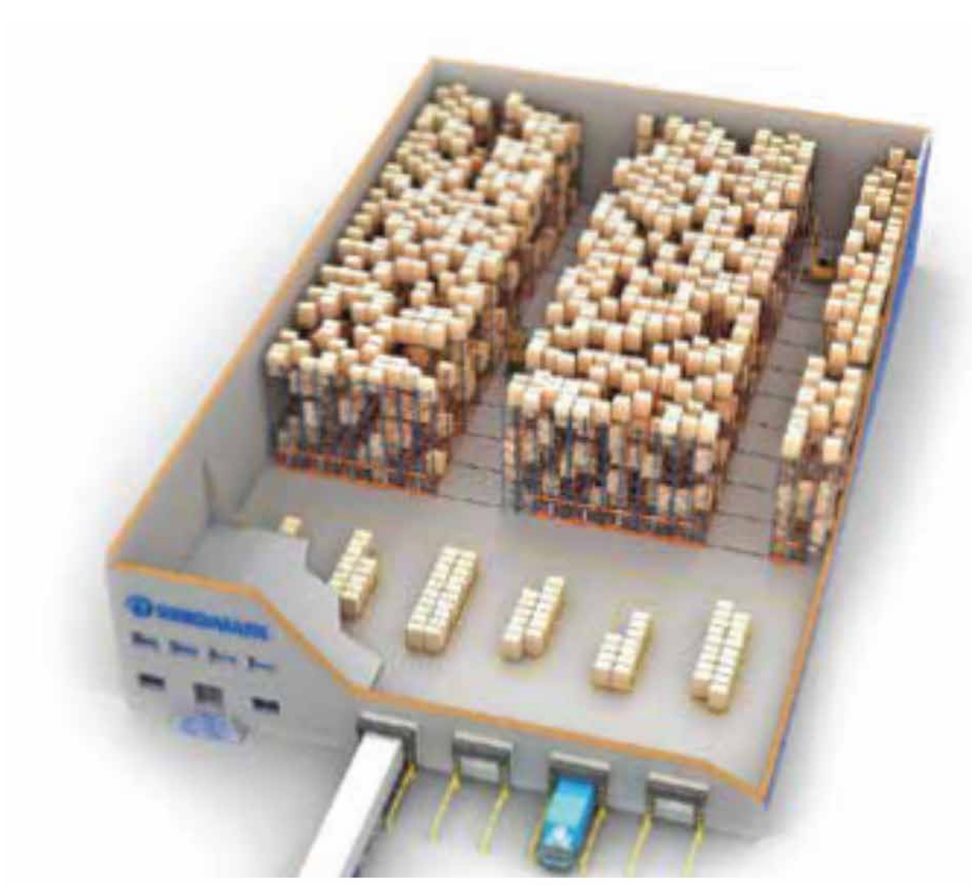


RACKING SYSTEMS

MOBILE PALLET RACKING

Core features:

- Maximum space utilization
- Fewer aisles required
- High storage density
- Controlled movement system





R KING SYSTEMS

MOBILE PALLET RACKING

Description

Mobile pallet racking systems are mounted on movable bases to reduce aisle space and maximize storage capacity.

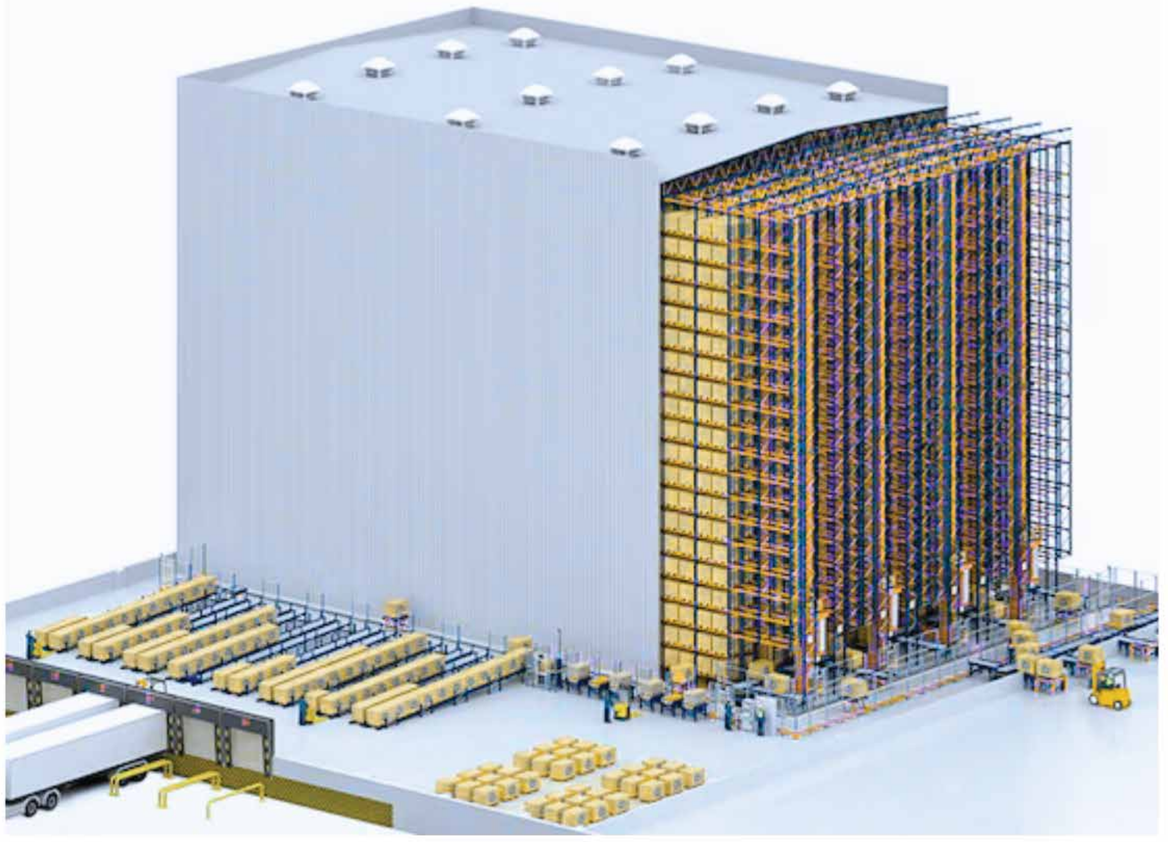


RACKING SYSTEMS

SELF SUPPORT SYSTEM

Core features:

- Rack-supported building
- Reduces construction costs
- Suitable for large-scale storage
- High structural strength



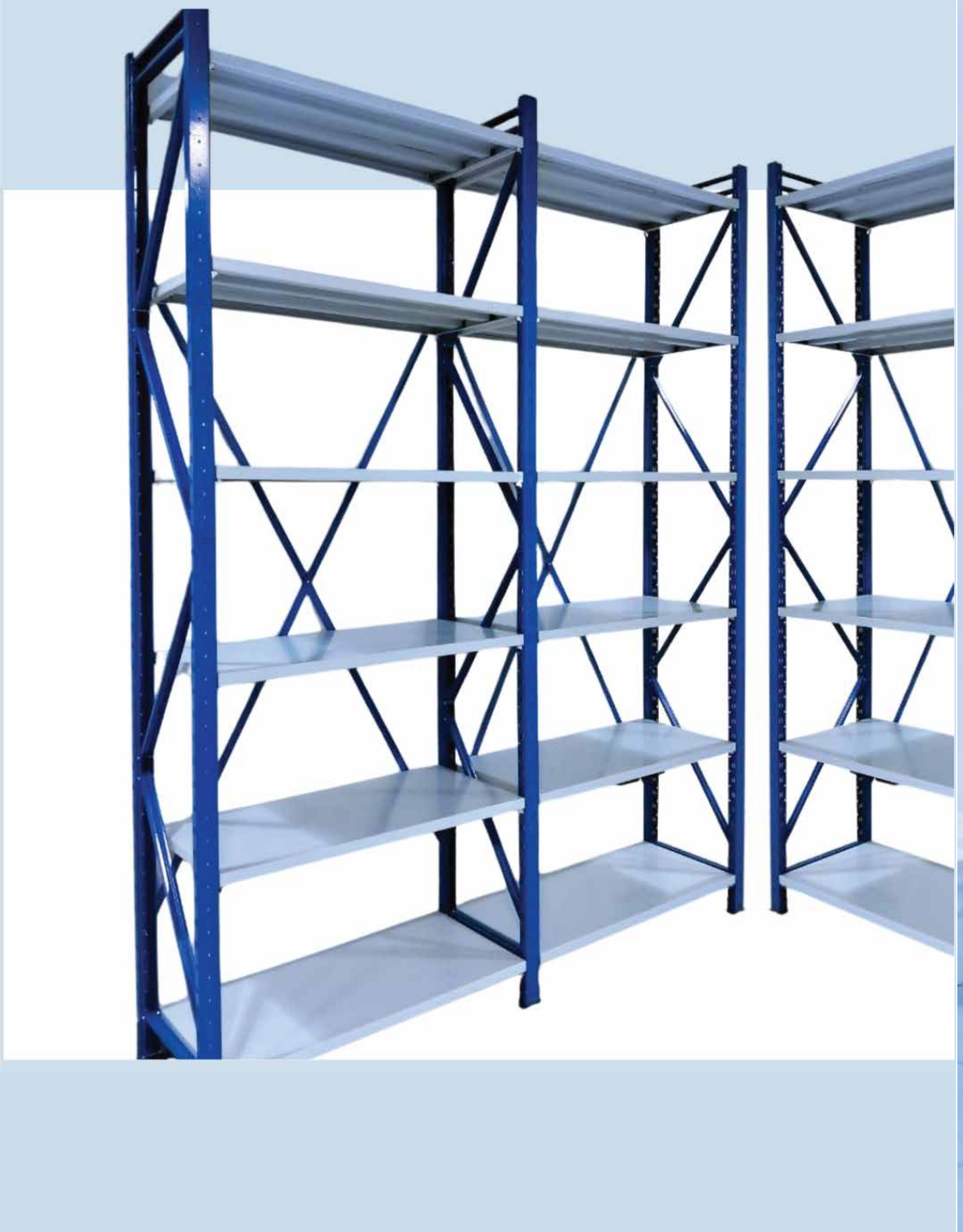


ADMINISTRATION

SHELVING UNITS

Core features:

- Ideal for manual handling
- Adjustable shelf levels
- Easy installation
- Versatile applications





ADMINISTRATION

SLOTTED ANGLE

Core features:

- Modular and fully adjustable system.
- Easy to assemble and expand.
- Suitable for light-duty storage.
- Cost-effective and versatile design.





RACKING SYSTEMS

STEEL PALLET

Core features:

- Strong and durable steel construction.
- High load-bearing capacity.
- Resistant to moisture, fire, and pests.
- Reusable and long service life..







ADMINISTRATION

LONG SPAN

Core features:

- Wide shelf spans
- High load capacity
- Suitable for bulky items
- Adjustable levels





ADMINISTRATION

LOCKERS

Core features:

- Secure storage solution
- Multiple sizes and configurations
- Durable steel construction
- Optional ventilation design





SOME OF OUR PROJECTS


Midea Electric
Pallet rack


Fridal
Slotted angle


TSG
Shuttle


Harvest
drive in


FedEx
Pallet rack


Poly tech
Drive-In


Harvest
double deep


Fridal
Pallet rack


FedEx
Mezzanine


جهازمستقبل مصر
للتنمية المستدامة
Pallet rack


NIPPON LOGISTICS
Pallet rack


ZMS
Mezzanine


EL Sewedy Electric
Pallet rack


EIPICO
Pallet rack


Egyptian Dutch
Drive in


Cairo 3A
Shuttle


Mapei
Pallet rack


ACDIMA
Pallet rack


Duravit
Pallet rack


EBM
Cantilever


Misr Logistics
Pallet rack


Giza Cables
Pallet rack


Kato logistics
Double deep


interpharma
Pallet rack

OUR ACCREDITED CERTIFICATES







Certificate of Registration

This is to Certify that the Environmental Management System of

HYDROMECHANICAL FOR ENGINEERING INDUSTRIES

PLOT NO. 4/5/14 - 10TH OF RAMADAN CITY - INDUSTRIAL ZONE A2- SHARQIA - EGYPT

Has been assessed and found to conform to the requirement of

ISO 14001:2015

This certificate is valid for the following scope

TRADING AND MANUFACTURING METAL FURNITURE, METAL FORMING AND HYDRAULIC JACKS & IMPORT AND EXPORT

Certificate No.: 241209022002

Initial Registration Date:	09.12.2024	Issuance Date:	09.12.2024
Date of Expiry*	:08.12.2027		
1st Surveillance Due	:09.11.2025	2nd Surveillance Due	:09.11.2026

Director:

EGAC Accredited
EMS Certification
CAB # 011914

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email:info@noor-eg.com website:www.noor-eg.com
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Certificate of Registration

This is to Certify that the Quality Management System of

HYDROMECHANICAL FOR ENGINEERING INDUSTRIES

PLOT NO. 4/5/14 - 10TH OF RAMADAN CITY - INDUSTRIAL ZONE A2- SHARQIA - EGYPT

Has been assessed and found to conform to the requirement of

ISO 9001:2015

This certificate is valid for the following scope

TRADING AND MANUFACTURING METAL FURNITURE, METAL FORMING AND HYDRAULIC JACKS & IMPORT AND EXPORT

Certificate No.: 241209012002

Initial Registration Date:	09.12.2024	Issuance Date:	09.12.2024
Date of Expiry*	:08.12.2027		
1st Surveillance Due	:09.11.2025	2nd Surveillance Due	:09.11.2026

Director:

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QMS Certification
CAB # 011914

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Certificate of Registration

This is to Certify that the Occupational Health & Safety Management System of

HYDROMECHANICAL FOR ENGINEERING INDUSTRIES

PLOT NO. 4/5/14 - 10TH OF RAMADAN CITY - INDUSTRIAL ZONE A2- SHARQIA - EGYPT

Has been assessed and found to conform to the requirement of

ISO 45001:2018

This certificate is valid for the following scope

TRADING AND MANUFACTURING METAL FURNITURE, METAL FORMING AND HYDRAULIC JACKS & IMPORT AND EXPORT

Certificate No.: 241209072002

Initial Registration Date:	09.12.2024	Issuance Date:	09.12.2024
Date of Expiry*	:08.12.2027		
1st Surveillance Due	:09.11.2025	2nd Surveillance Due	:09.11.2026

Director:

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CAB # 011914

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HYDRO MECHANICAL

SHELVING & RACKING SYSTEMS

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