



AVANTA

PALLET RACKING

PROJECTS 3



Avanta UK Ltd is an independent company with over 20 years experience in designing and sourcing equipment. Long term partnership arrangements and rigorous appraisal of our portfolio of extensive manufacturing partners ensures that our clients have access to high quality and competitively priced standard and non-standard products.

Our specialities include mezzanine floors, storage systems (including warehouse shelving, pallet racking, longspan shelving and mobile shelving systems) and interior solutions (including office partitions, office storage, steel partitions, mesh security cages and workbenches).

We cover the whole of the UK and work closely with the major manufacturers offering warranty, peace of mind and on going support.

See more case studies at
www.avantauk.com

Some of our clients...

NEXT

END.

Jet2

B BRENNTAG



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your supply chain partner

ph Polyco
Healthline

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arrowxl
beyond delivery



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Avanta Create 40,000 Pallet Locations for Global Retailer of Apparel and Home Fashions

Avanta UK successfully tendered for and completed a large-scale pallet racking project for one of the World's leading "off price" retailers of fashion and homewares.

The client acquired a newly built 450,000 circa square foot warehouse in the North West, specifically to store palletised goods to service a growing network of stores and resellers.

Avanta UK were invited to take part in an extremely competitive tender process and successfully satisfied the strict criteria set out against large European manufacturers of racking systems.

The project size and length of programme meant that Avanta functioned as Principal Contractor. This means, there is a single point of contact coordinating multiple contractors on site. This saves time, effort, and money in managing multiple teams on behalf of the client. Avanta Undertook the site management of all other trades, from sprinkler works to M&E contractors. This approach not only allows for better communication between trades and therefore a smoother, economic, and quicker installation. It also allowed for design adjustments to be made quickly and efficiently as works progressed.

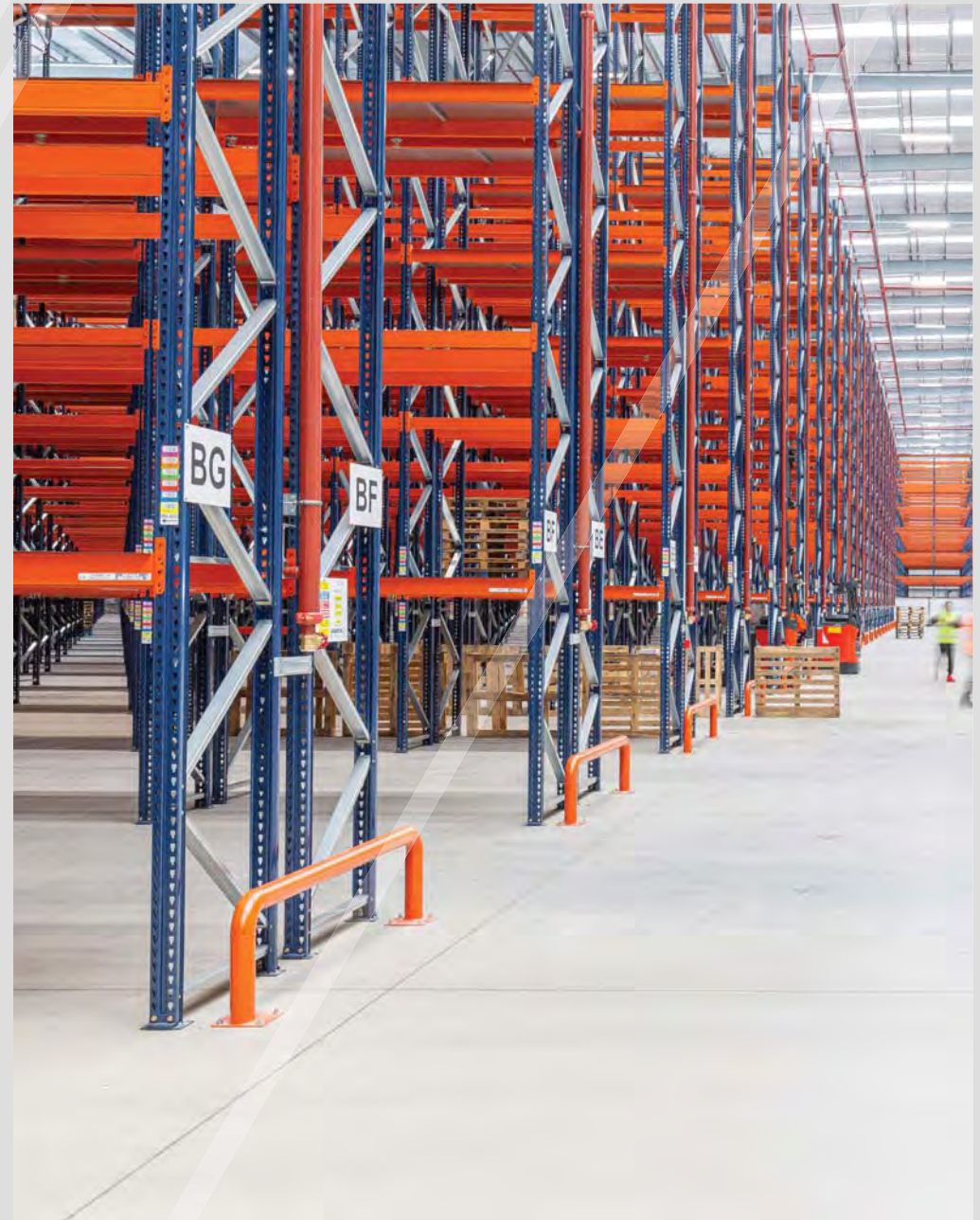
Avanta looked after all the Health & Safety and having all the relevant accreditations and levels of insurance gave the client ultimate peace of mind.

The pallet racking, designed in a narrow aisle configuration giving the client 40,000 UK sized pallets. With heights up to 15m high, there is circa 2400 heavy-duty frames stood and circa 35,000 2700mm pallet racking beams in this project.

Anti-collapse mesh is secured to all single runs of racking within the scheme. With the racking & mesh extending above the highest pallet, to ensure maximum protection.

In addition to the pallet racking, Avanta designed and supplied steel decks with smoke baffles, sprinkler brackets and rack protection products. Prior to the contract award, Sample bays were supplied and set up on site with various deck options. This allowed the client and associated parties to choose which option they felt was best for the application.

Avanta Comment – "A really satisfying project for Avanta. We ran an efficient installation in a clean and clear site. This contributed towards finishing the project on time and on budget. This was a hard-fought contract win against a selection of the world's largest pallet racking manufacturers who were quoting directly."





40,000 Pallet locations

2,400 Heavy duty frames

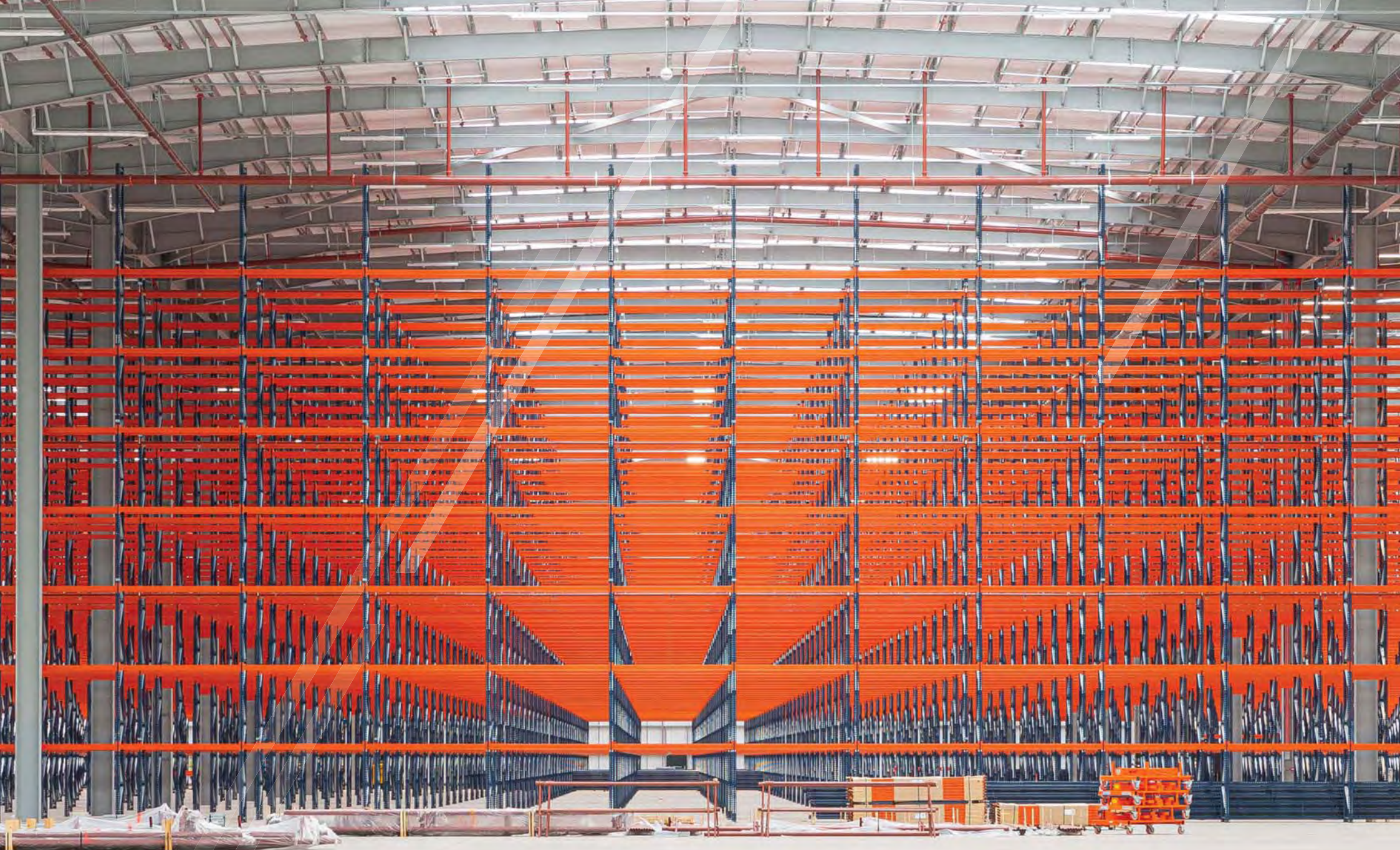
35,000 2700mm beams

Wide aisle racking



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20,000+ Pallets Stored – VNA Racking Project

Avanta UK successfully tendered for a completed a large scale VNA Pallet Racking project. This project was for a leading contract packer and drinks producer based in the East Midlands.

The project included:

- Dismantling and removal of the existing racking system
- Design, supply, and installation of VNA Pallet Racking System to allow for storage of heavier pallets.
- Pick & Deposit (P & D) Locations at both ends of the racking structure
- Beam location labels and aisle end signs

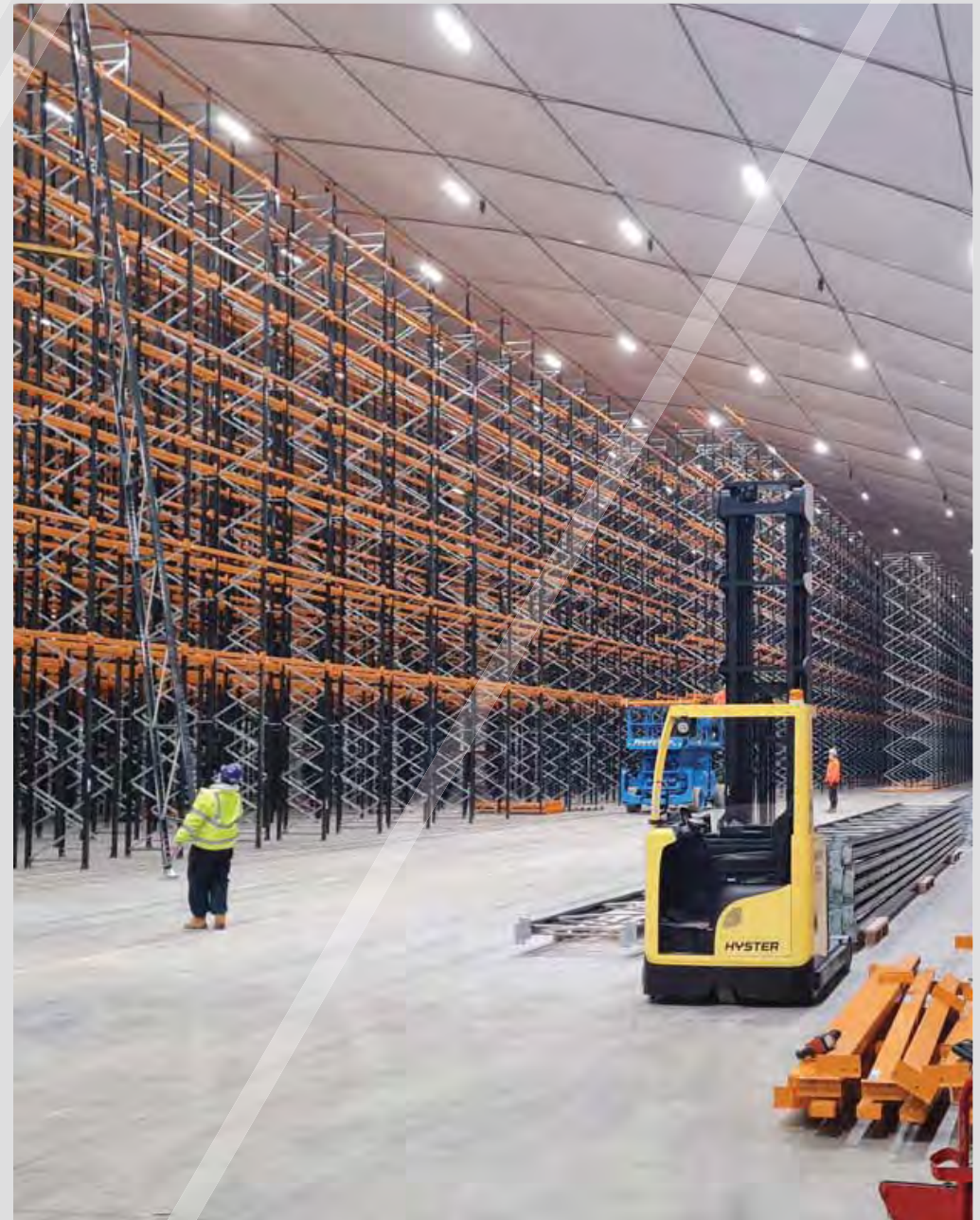
The Racking system is designed to store over 20,000 1.6m high pallets with a weight of 1,250KG per pallet. The racking structure has 8m high frames at the eaves and rising to 16m high to the centre of the warehouse.



The idea of the P & D locations is to provide temporary accommodation for counterbalance trucks to pick from whilst the VNA trucks are operating efficiently in the aisle.

To achieve the load capacity and number of pallet spaces the racking was re-engineered by the factory to include various spine bracing patterns. This subsequently added a substantial amount to the build time.

In spite of the issues faced on this large-scale project, Avanta UK saw the project through to completion and the client now has the warehouse fully operational with the efficient SEMA compliant VNA racking system in place.

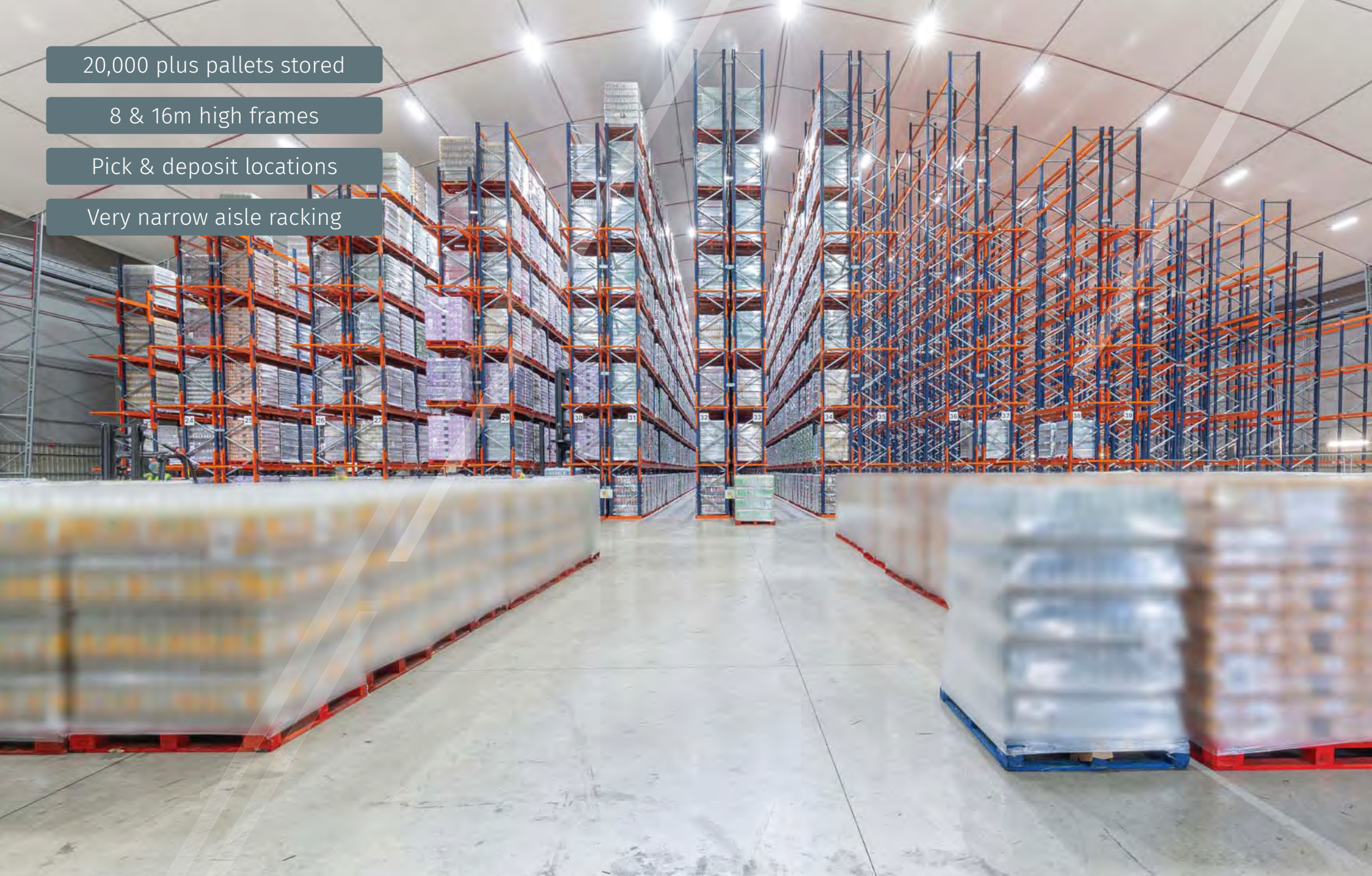


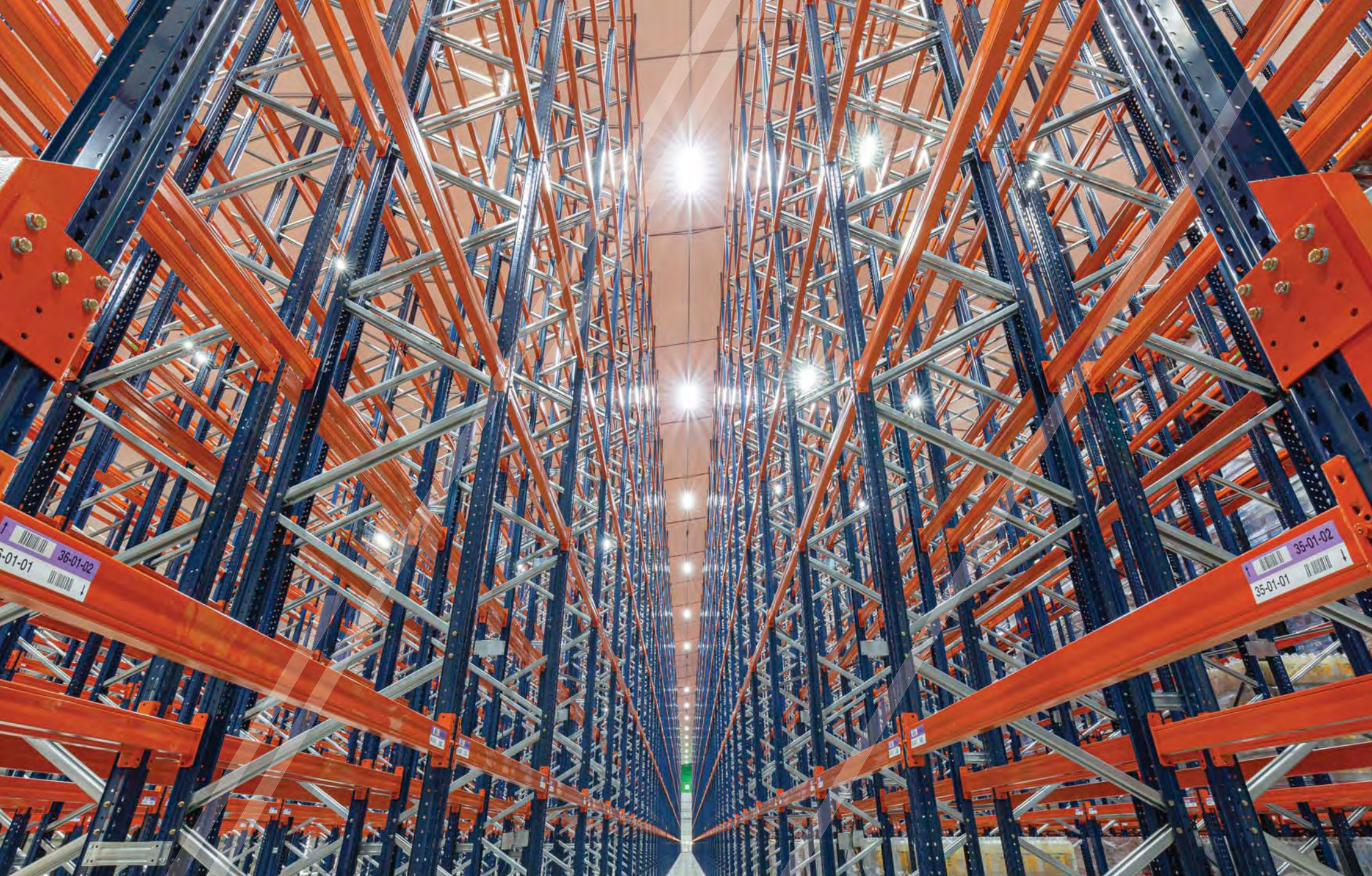
20,000 plus pallets stored

8 & 16m high frames

Pick & deposit locations

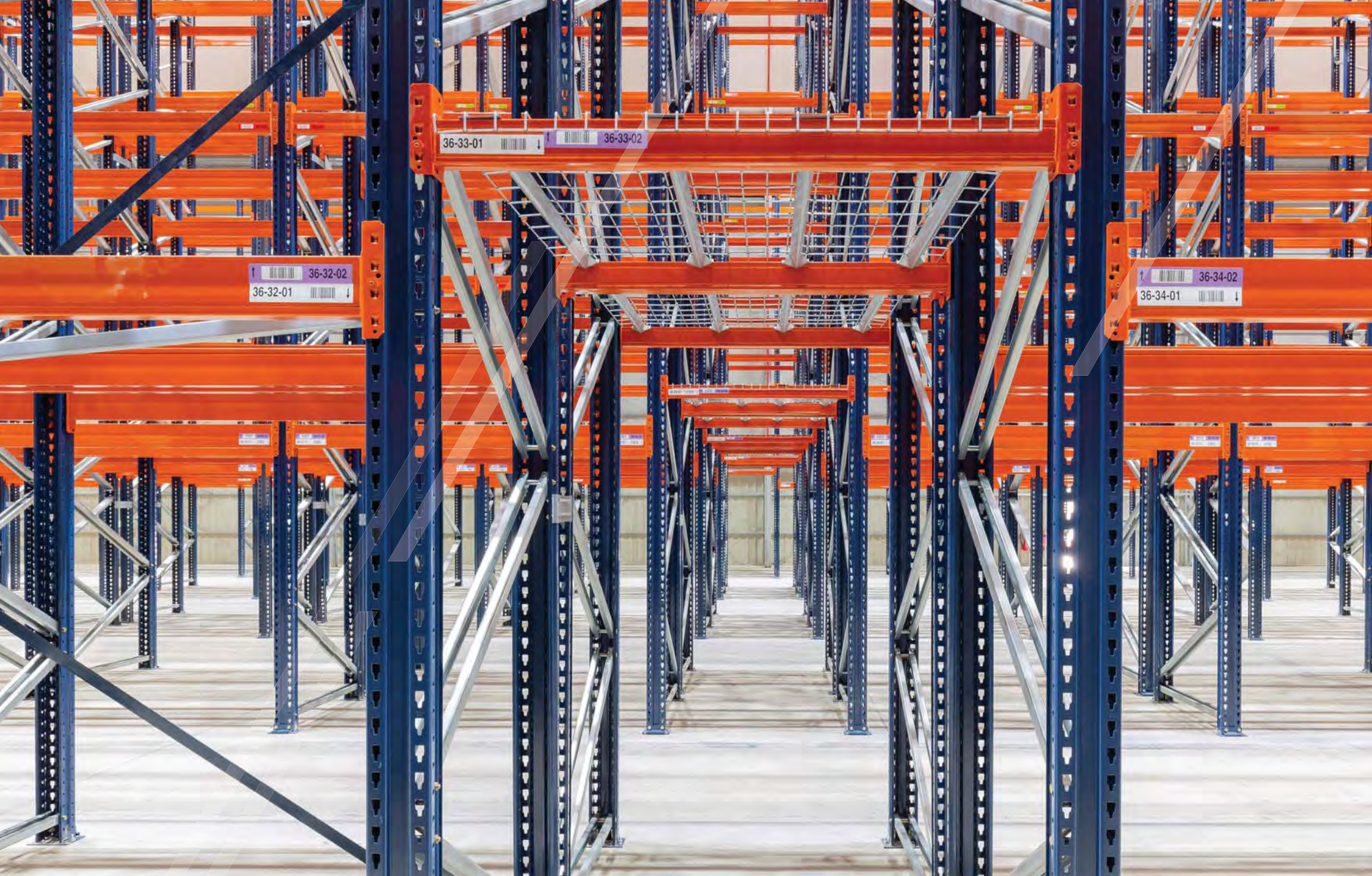
Very narrow aisle racking





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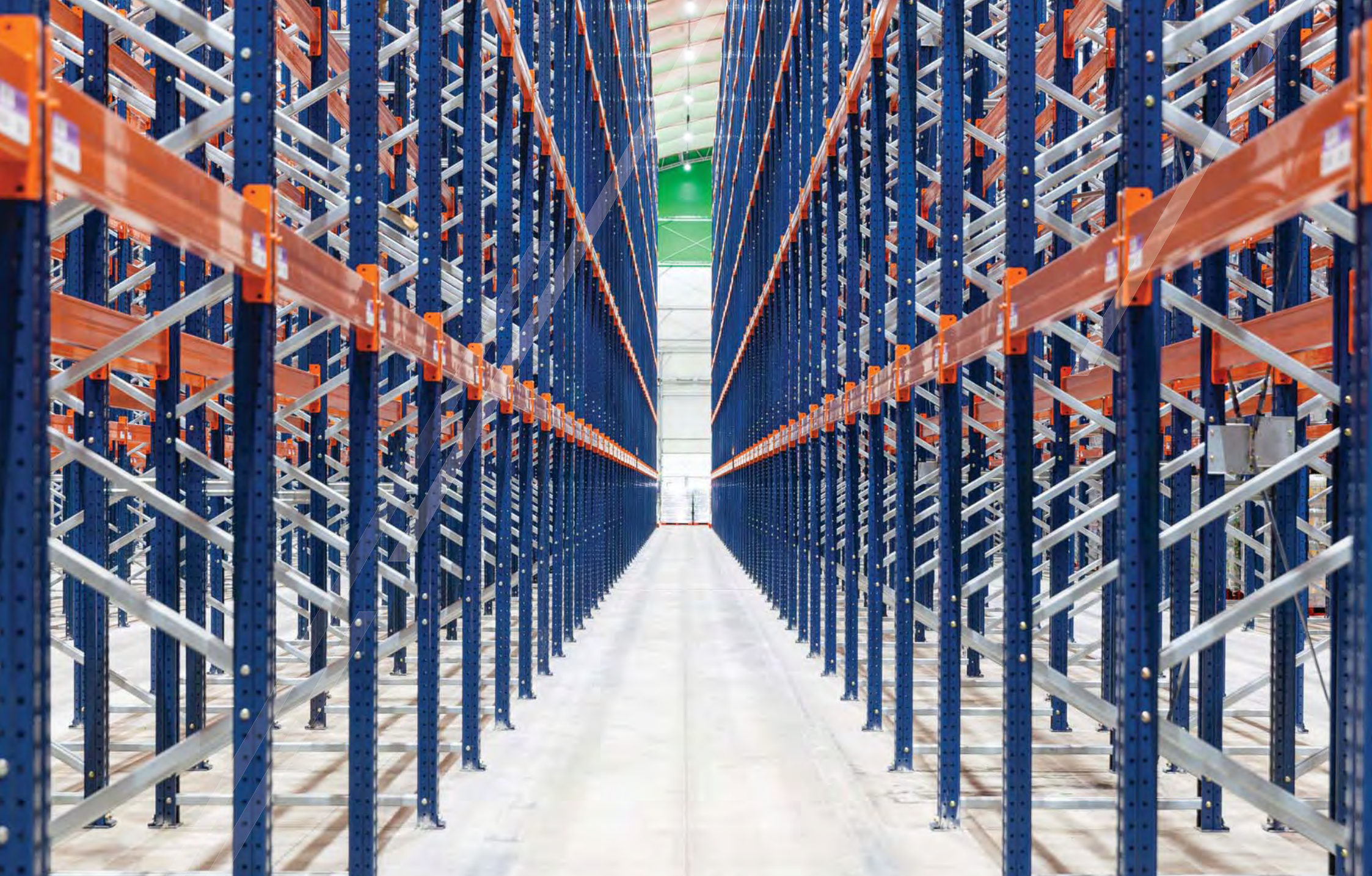
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Warehouse Storage Solution for Leading Paper Merchant

The UK's leading paper merchant is a long-standing client of Avanta UK with multiple stock holding facilities across the UK already kitted out with Avanta Pallet Racking.

For the new site in Wellingborough, Northamptonshire Avanta UK were approached to offer a competitive storage solution to store multiple paper products from office paper, boards, and packaging materials. All stored on pallets with various different pallet types.

The solution offered was a standard wide aisle 9.6m high adjustable pallet racking system configured with five different bay profiles to suit the different pallet sizes, the quantities to store and the handling equipment employed.



Combining different rack frame depths and beam capacities using a racking system that is adjustable on a 50mm pitch.

Avanta supplied and fitted open boarded timber decks as the perfect decking material to spread the weight loading of the pallets.

Steel tubular rack end guards were floor fixed to offer protection to the racking structure. As standard, load warning notices were issued and fixed to rack ends.

The project was completed in the set required time for the warehouse to be operational as specified.



FEM & EN compliant racking

9.6m high racking system

5 different bay profiles

Rack end safety barriers included

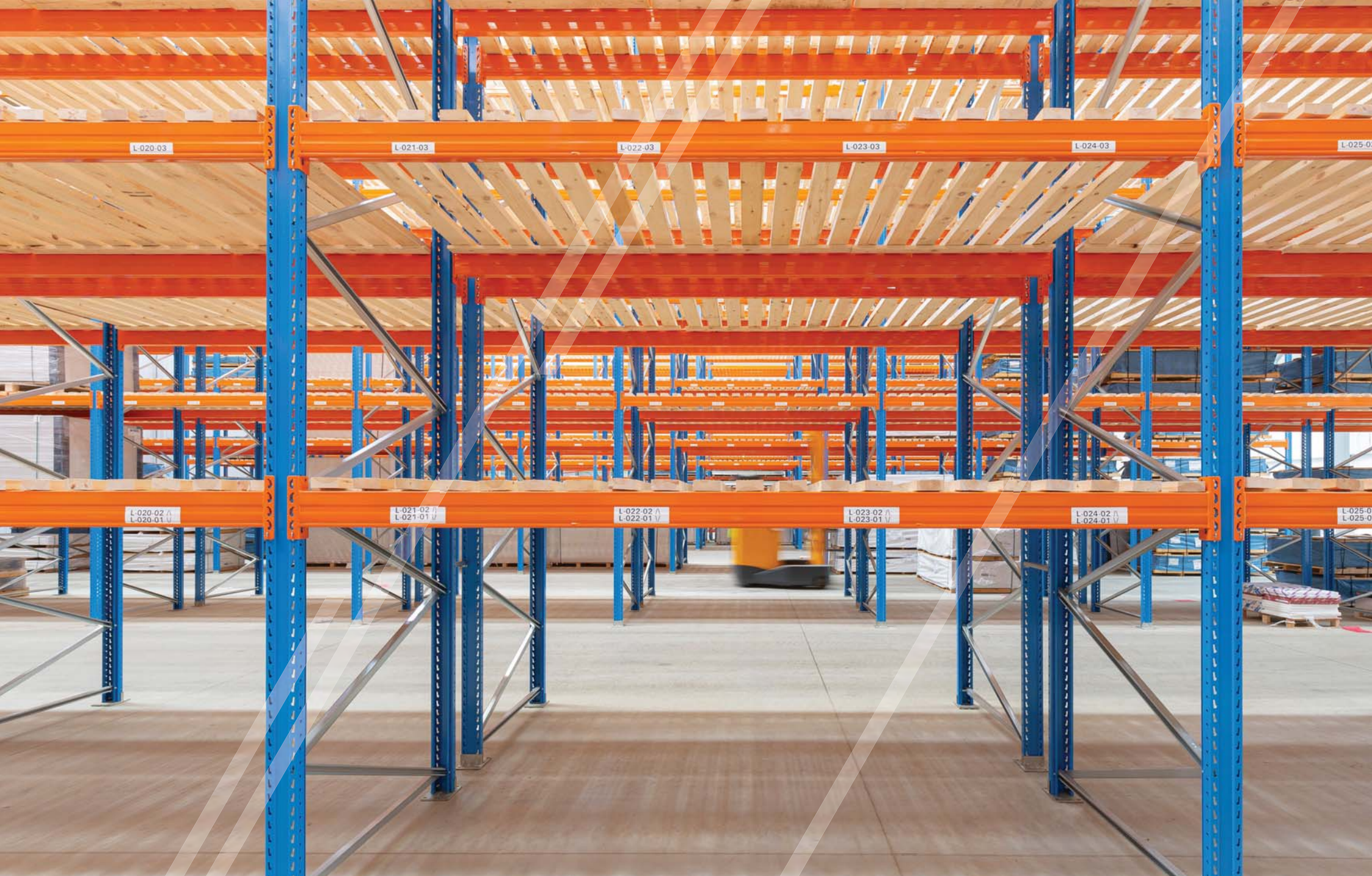




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Healthy Lines of Pallet Racking

Avanta UK Ltd have completed their 4th large pallet racking project for a leading provider of hygienic protective equipment – Polyco Healthline. This is the 4th project of this type completed by Avanta for Polyco / HPC in the last 5 years, highlighting their growth over this period and the need for capacity for future expansion.

Wayne Thomas (Project Sales, Avanta UK) has worked closely with the client over the last 20 years, providing all the pallet racking and mezzanine floors to 8 warehouses all built by the client based on the same site in Bourne, Lincolnshire.

Polyco Healthline handle over 5000 shipping containers and 3 billion disposable gloves per annum with 200 staff servicing 3500 distributors in 38 Countries. This gives an indication of the scale of the operation prior to this project. Existing pallet position count within the warehouses stood at 32,000.

For the new warehouse, the Avanta Narrow Aisle Pallet Racking design realized and additional pallet positions taking the Polyco total to circa 37,000.

The pre-galvanised warehouse racking frames are a combination of 9m and 10m in height without the need for splicing to aid rigidity and enhance the speed of build. Contrasting 2 and 3 tonne capacity beams compliment the look and feel of the project.

The project was completed with 53 rack end steel barriers in a high visibility colour along with rack load notices as standard. The client labelled their own racks.

The works were completed to the estimated lead-time and budget.

Client Comment: “We have worked with Wayne for a number of years as our trusted partner of choice for storage equipment. The installation team were terrific working at a good pace and cleaning as they went. We would always recommend Wayne and Avanta UK to anyone.”

Wayne Thomas: “It has been a pleasure working with this client closely over the years and increasing their storage capacity as they have grown. We have supplied all the pallet racking for each warehouse along with a fire rated mezzanine floor and both shortspan and longspan shelving. We hope to work with the client again soon.”





Narrow aisle racking

37,000 Pallet positions

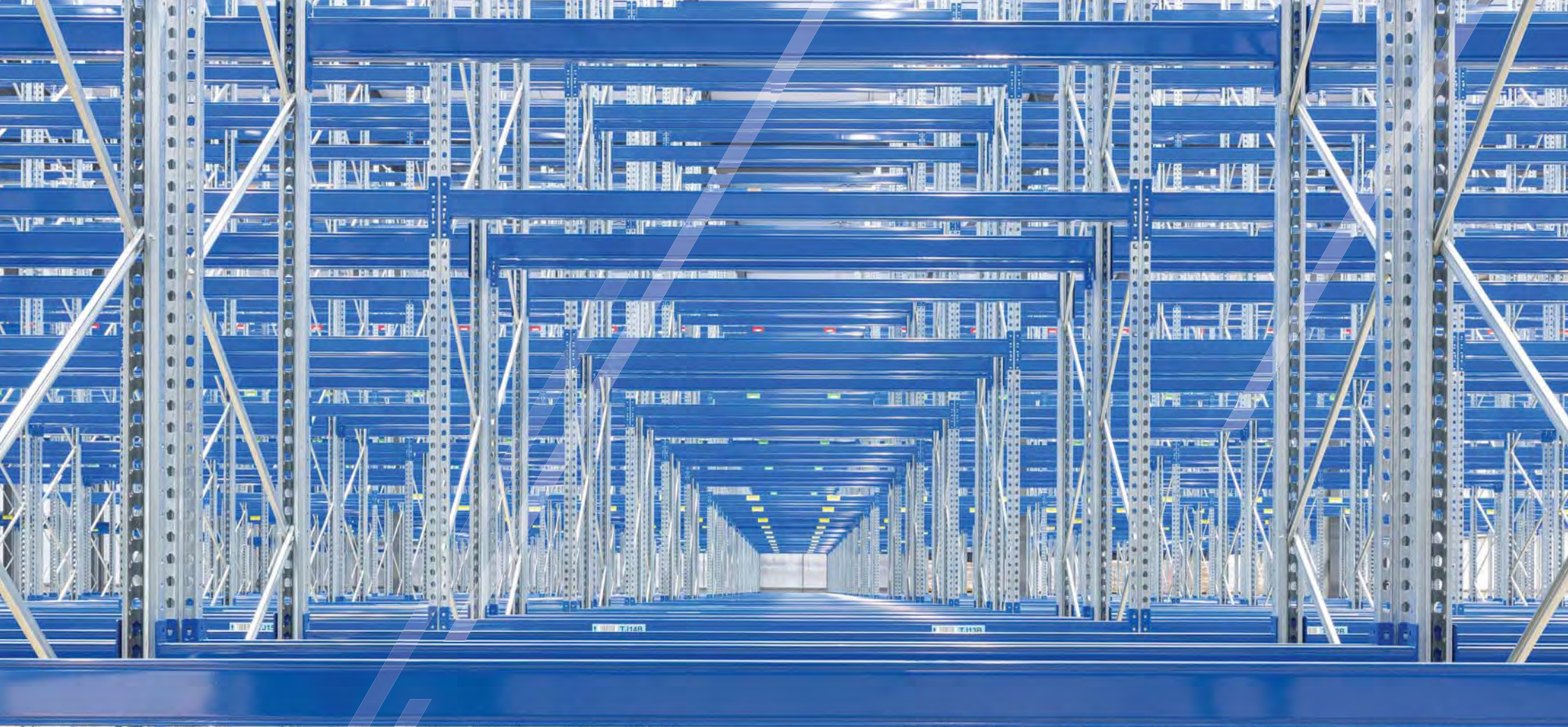
53 Rack end steel barriers

2 And 3 tonne capacity beams









Warehouse Interior Fit Out Project For Award Winning Airline

The client is one of the UK's largest Airlines and had acquired new warehouse space in close proximity to Manchester Airport.

Leeds based Avanta UK successfully tendered for the Storage Equipment and Electrical / Mechanical Works package.

The UK Manufactured storage equipment supplied, delivered and installed by Avanta UK consisted of:-

- 112 Bays of Pallet Racking 7000mm high with 4x timber decked levels
- 20x Single side Cantilever racks 6000mm high
- Protections - Rack Upright, Rack End and Building Column plus Pedestrian Walkway

The Electrical works included:-

- Full Warehouse Energy Efficient Lighting, Door Access, Data, Alarms & CCTV

The warehouse project was completed to budget and within the 6 week agreed programme.







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Tall VNA Racking Solution for Kammac

The 10th warehouse site for leading 3rd party logistics company Kammac means the company can offer 1.9 million square foot of storage across its network of warehouses.

This latest warehouse in Runcorn initially is used to store NHS Track and Trace kits and with the available height in the building, Storage Equipment Companies were invited to tender to design, supply and install a new pallet racking system and reconfigure a section of existing racking.

Avanta UK Ltd successfully tendered for the work and having completed other pallet racking projects for Kammac and more widely in the 3PL sector could present a comprehensive track record of this type of work.

The pallet racking proposed was 17.5m high and 19m high configured into a Very Narrow Aisle (Sometimes referred to as VNA) layout. This offered the client an additional (circa) 12,000 pallet spaces.

The installation took only 3 weeks and the manufacturing lead-time of the UK Manufactured racking took 6 to 8 weeks. Advantages of a locally sourced racking system includes the availability of spares for when and if the system needs adding to and / or reconfiguring.





Very narrow aisle racking

12,000 (Circa) pallet spaces

19m high system

UK manufactured system



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Another Turnkey Project for Leading Home Delivery Company

The UK's leading two-person home delivery expert ArrowXL has expanded its UK network with a new 85,000 square foot warehouse in Enfield.

The grade A warehouse is the perfect addition to the growing number of UK facilities in the ArrowXL portfolio with its location and features including:

- 75,000 sq ft of Warehouse.
- 8,000 sq ft of CAT A Office.
- 12m Height.
- 6 Dock Levellers.
- 42m Yard.
- 75 Parking Spaces.

Avanta UK Ltd successfully tendered for a turnkey package to fit out the warehouse and the offices. This is the 4th major contract Avanta UK Ltd have undertaken for ArrowXL in recent years but this time, in addition to the pallet racking there were additional requirements, including:

- Full Electrics including energy efficient PIR LED lighting for the warehouse & offices.
- Office Fit Out to create offices, meeting rooms, breakout areas, toilets plus a new canteen facility. This included an air conditioning system designed to be more Covid secure with extra filtration.

- Automatic Sprinkler System for the warehouse including new tank and pumphouse.
- Security Caged Area with shelving and benches for hand-held scanners.

Having partnered with ArrowXL on numerous occasions, Avanta UK Ltd quickly designed the most appropriate wide aisle pallet racking solution following on from the recent larger Blackpole project blueprint. This includes:

- Pallet racking to accommodate circa 5000 pallets.
- Certain runs in the racking system had bottom mounted beams to accommodate larger white goods and furniture.
- Each upright that supported a bottom mounted beam had a bespoke 600mm high rack guard upright protector. All other uprights were also fitted with polypropylene post protectors.
- Each racking bay had appropriate end of rack protection utilising welded steel tubular barriers.
- Each pallet position is clearly labelled using magnetic labels, aisle markers and bay labels.
- Each pallet racking bay has end of aisle load notices in accordance with SEMA regulations.

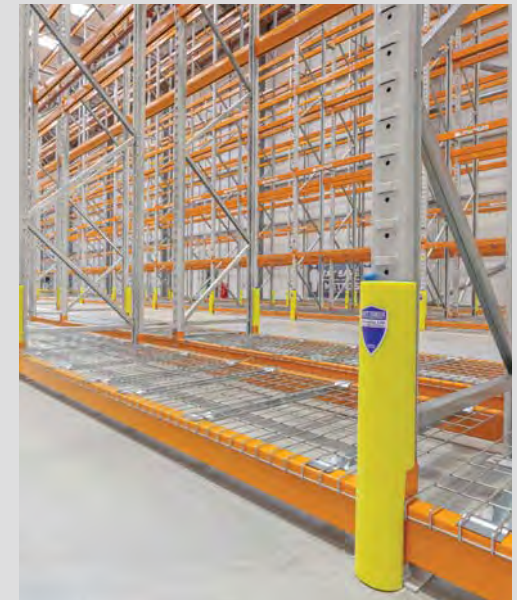
The Programme of Works was originally a ten-week build, however post the order being placed the client required the project to be completed earlier. Avanta UK were able to accommodate this and delivered 9 days under the original finish date.



The new site at Enfield will enable ArrowXL to further increase its warehousing and delivery capacity in London and the South East. It is part of the company's commitment to having the right infrastructure in place to continue to provide high levels of service across the UK.

"This was another opportunity for me to work with the excellent team at ArrowXL. Understanding their needs enables us to work quickly and efficiently with each other to achieve the business's aims and ambitions. The added bonus of designing and building new offices, canteen and toilets was an excellent opportunity for me to demonstrate our company's turnkey abilities and I know they will be delighted with the end results."

Mark Davison, Avanta UK Ltd.





Wide aisle pallet racking

5,000 (Circa) pallet spaces

Complete office fit out

Automatic sprinkler system





Storage Equipment Fit Out Project For New Lockwood Group Distribution Centre

Lockwood Group have had a new 110,000sq ft warehouse purpose built in Denby to add to their existing 7 UK Sites. The Group is a family run business and currently has over 280 employees and activities include UK haulage and storage, frozen food production and commercial vehicle maintenance.

Leeds based Storage Equipment Specialist Avanta UK Ltd worked closely with the Lockwood team and Handling Equipment Specialists to optimise the pallet storage of the new Grade A Warehousing Facility.

The project included: -

- **Pallet Racking** - Arranged in a very narrow aisle configuration to 13 metres high giving a storage capacity of circa 24,000 pallets to store a combination of Euro and UK pallets.
- **Mezzanine Floor** - Two tier fire rated mezzanine floor giving circa 1000 square metres of additional storage space. Access is via a utility and general access staircases. Pallet access is via 4 pallet gates.
- **Protective Barriers and Upright Protectors.**
- **Pallet Location Labels.**

Lockwood Haulage are one of the UK's leading logistics providers. They have a large diverse fleet, with cost effective, quality, sustainable logistics solutions. Lockwood sites are in excellent locations to serve the whole of the UK and beyond on a same-day or next day basis.

With the addition of this excellent new facility Lockwood are in the perfect position to deliver on their client promise.

Avanta UK Ltd offers a full office and warehouse interior design and installation service. We offer a free Site Survey and CAD Design and Consultancy Service, responding promptly to your enquiries.





Very narrow aisle racking

24,000 (Circa) pallet spaces

Two tier mezzanine floor

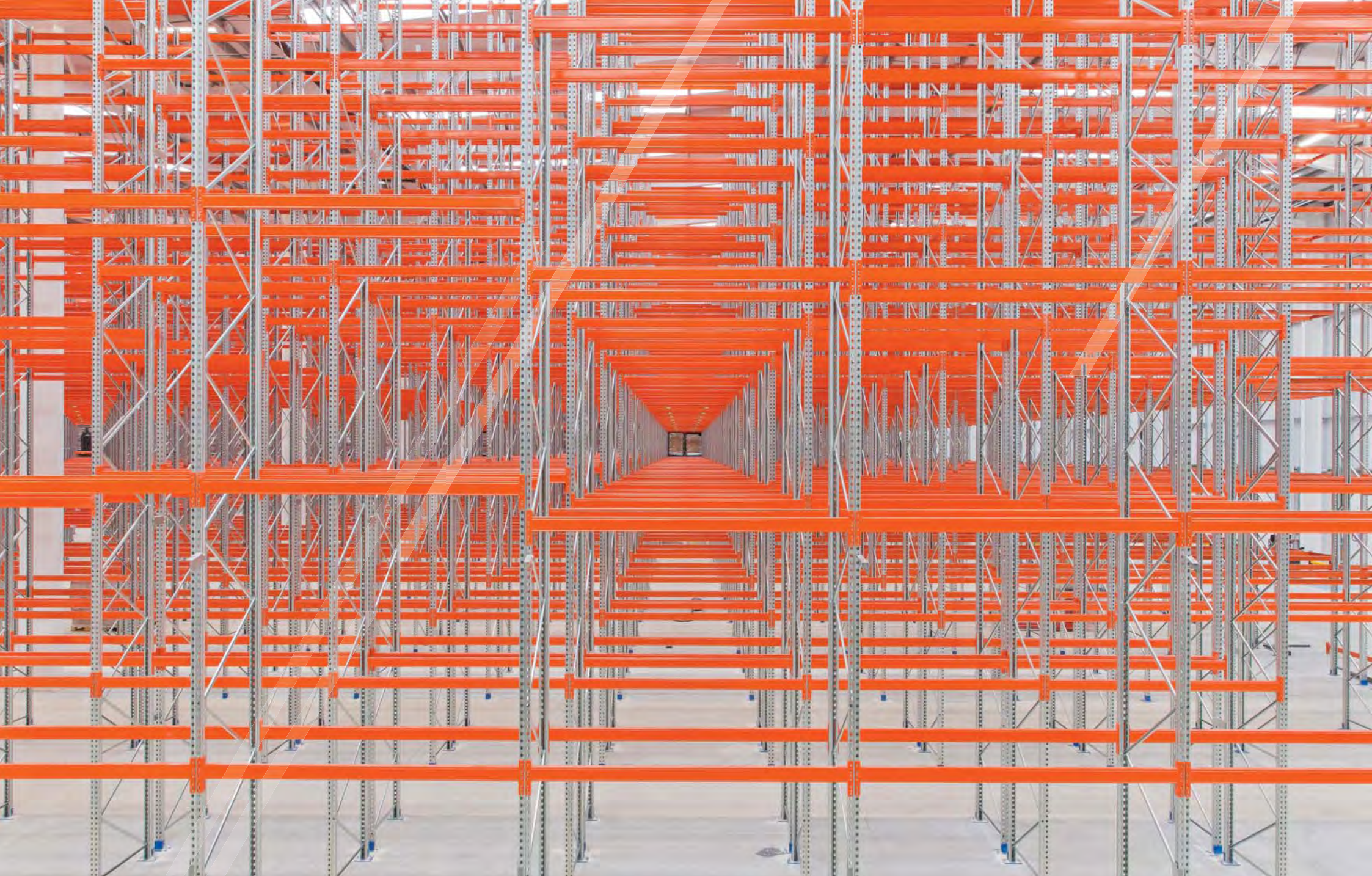
4 Up and over pallet gates





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Avanta UK has completed a large pallet racking project for the UK's leading two-person home delivery expert ArrowXL

In April 2017, ArrowXL's hub in Worcester was completely destroyed following a fire. The senior management team took the decision to support its local workforce and rebuild the facility, situated on the Blackpole Trading Estate.

The new facility measures 258,000 square foot - which is 187m long x 91m wide - will be home to 250 people on a daily basis.

Mark Davison of Avanta commented *"We participated in a rigorous tendering process for the pallet racking package and were delighted to be awarded the contract. It has been our first project with A & H Construction & Developments PLC who have been great to work with. Bi-Weekly site meetings were attended and any issues sorted quickly, all in all great to see this new hub for ArrowXL."*

We are pleased for ArrowXL to have this great new facility in the heart of Worcester"

ArrowXL - *"In total, we fulfil 55,000 deliveries across the UK each week and around 40% of those will be fulfilled from this new base in Worcester. It is a strategically important location for us, as we serve consumers across the Midlands."*

Working closely with the Main Contractor A & H Construction & Developments PLC, Avanta designed, supplied and installed a UK manufactured pallet racking system in a wide aisle configuration up to 12m high to store 14000 pallets.

Other details include: -

- The racking system had bottom mounted beams to accommodate larger white goods and furniture.
- Working with the Specified Sprinkler Company, Avanta supplied and installed circa 4000 sprinkler brackets
- Each upright that supported a bottom mounted beam had a bespoke 600mm high Rack Guard upright protector. The remainder of the uprights had the standard 300m high guard.
- Each racking bay had appropriate end of rack protection utilising welded steel tubular barriers and single end runs protected with anti-collapse mesh.
- Each pallet position is clearly labelled using magnetic labels.
- Each pallet racking bay has end of aisle load notices in accordance with SEMA regulations.

Avanta UK Ltd completed this project within the specified lead-time of 6 week manufacturing lead-time and a 10 week build time.

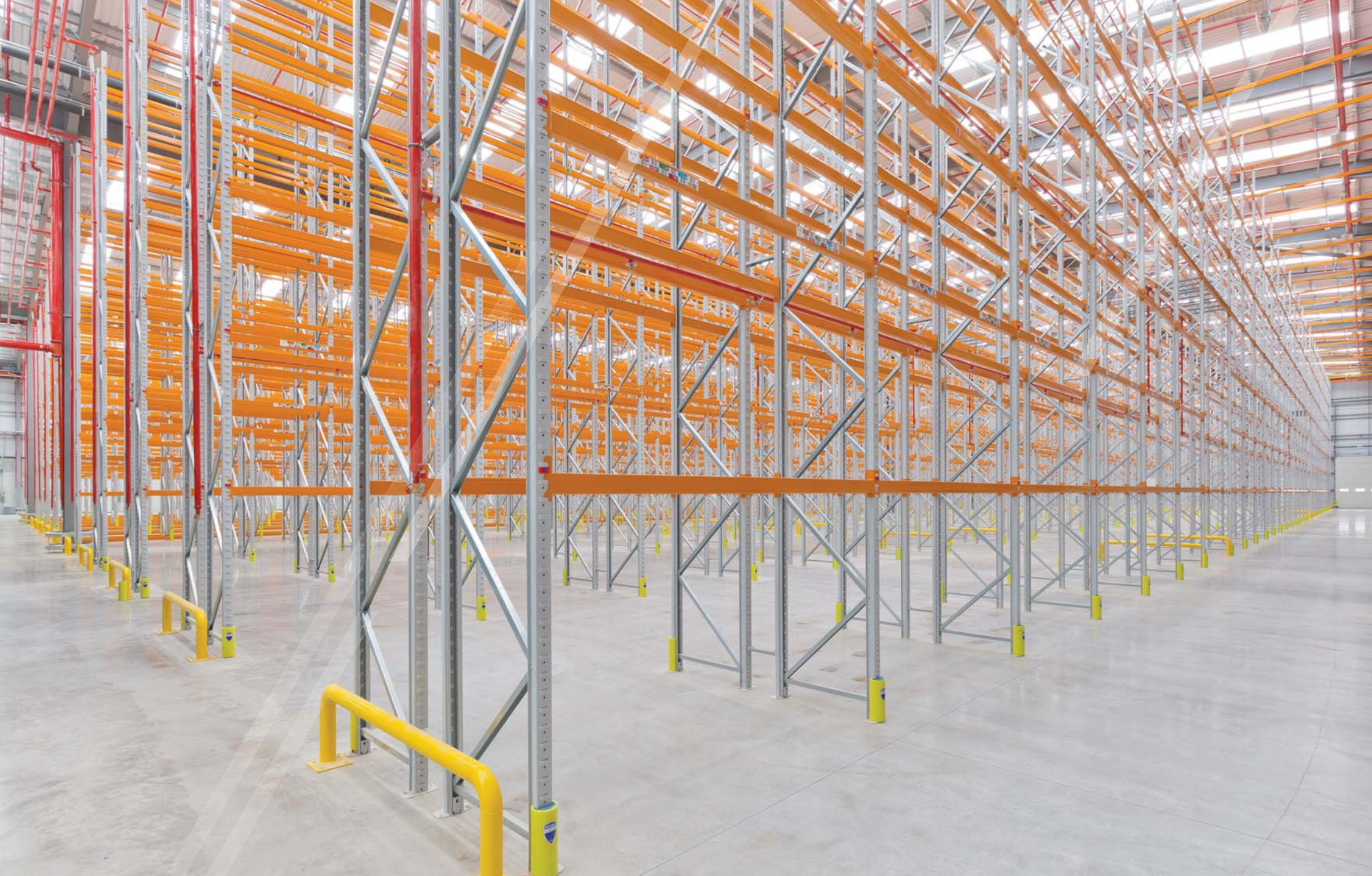






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Avanta “On A Roll” With Racking Project

Avanta UK have completed another pallet racking and carpet racking project for a long-standing client.

The client offers solutions for carpets, barrier matting, wall protection and LED lighting systems, in addition to a comprehensive range of stair edging and floor trim profiles.

A new warehouse was acquired in Winsford and Avanta were invited in to quote for the storage equipment project which involved integrating existing racking from other sites previously supplied by Avanta and a decent quantity of new pallet racking and carpet racking.

The storage equipment consisted of carpet racking to store rolls of vinyl and carpet and pallet racking with steel decks and timber decks to store pallets of floor tiles.

Carpet racking from Avanta UK is configured using the standard frames and beams from



an adjustable pallet racking system creating the depth required to store long rolls. The beams for carpet racking can be decked in a choice of suitable materials including steel, chipboard, MDF, and open / close boarded timber. On this installation the timber was faced with a foam and timber chocks at each end to offer extra support.

The new pallet racking was supplied and fitted with mesh panels on certain runs and timber on others depending on the items stored. Typically it is a mixture of medium and heavy duty frames and beams for pallets of plastic floor tiles and flooring accessories including edging and profiles.

The warehouse aids the consolidation of the Client's vinyl business with the Carpet range.





Carpet racking project

Racking can be reconfigured

Suitable for any items on a roll

Beam levels can be adjusted





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3PL Expands with Chambers of New Racking in New Premises

Mark Thompson Transport (MTT) is part of the Kinaxia Logistics Group and acquired a new 110,000 sq ft of new office and warehouse space in Warrington. MTT are a growing company with 275 vehicles and employing 190 staff.

The new premises are on the site of a former Royal Naval Air Station and were latterly a manufacturing and research base for Myprotein, which is part of The Hut Group.

Having worked extensively with 3rd Party Logistics Providers over recent years and importantly with other Kinaxia Logistic Group Companies Avanta UK Ltd were in a good position to tender for the pallet racking required by MTT.

Avanta UK Ltd designed, supplied and installed a UK Manufactured pallet racking system in a wide aisle configuration over 4x chambers giving the client circa 8,000 pallet positions. The racking is of a medium duty to support 500KG pallets over 3 and 4 levels.

Advantages of a locally sourced racking system includes the availability of spares for when and if the system needs adding to and / or reconfiguring.

Looking after the site Health & Safety, Avanta UK acted as Principal Contractor for the duration of the pallet racking project and beyond for floor marking and signage projects that followed.

The project took 6 weeks to complete including 3 weeks manufacture and 3 weeks installation.

Mark Thompson said *"This investment will enable us to meet increased demand from an expanding client base and represents a step change for the business."*

"The new warehousing space creates opportunities for significant further growth by enabling us to develop our services to customers."













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Long Lane Racking Solution for AKW Global Logistics

AKW Global Logistics is part of the Kinaxia Group of Companies and encompasses distribution, warehousing, packaging customisation and international freight services. AKW has been established for over 50 years and has consistently invested in warehousing facilities and transport vehicles.

As part of this measured growth strategy the company acquired and additional warehouse in Trafford Park in the North West of England for a specific contract.

Avanta UK Ltd successfully tendered for the warehouse racking required and associated barriers. The contract also included a full length 130m long rear fall arrest back of rack net.

Avanta UK Ltd designed, supplied and installed a UK Manufactured pallet racking system in a wide aisle configuration over giving the client circa 7,000 pallet positions. The racking is of a medium duty to support 500KG pallets over 3,4 and 5 levels. Aisle length is 130m.

Advantages of a locally sourced racking system includes the availability of spares for when and if the system needs adding to and / or reconfiguring.









CONSULTATION / SURVEY

We carry out a free, no obligation site survey to decipher your exact requirements.

DESIGN SERVICE

At Avanta we have the expertise to design your workspace to suit your needs.

PROPOSAL

We prepare a document that will highlight the key areas of the potential project.

PROJECT PLANNING

We will appoint you a Project Manager who will be a single point of contact during your installation.

PRODUCT DEVELOPMENT

We work with you and with our manufacturing partners to source the best products for the job.

PROJECT MANAGEMENT

We will provide information as required and oversee the smooth running of your project.

HEALTH & SAFETY

Projects are delivered safely and in accordance with the latest regulations.

INSTALLATION

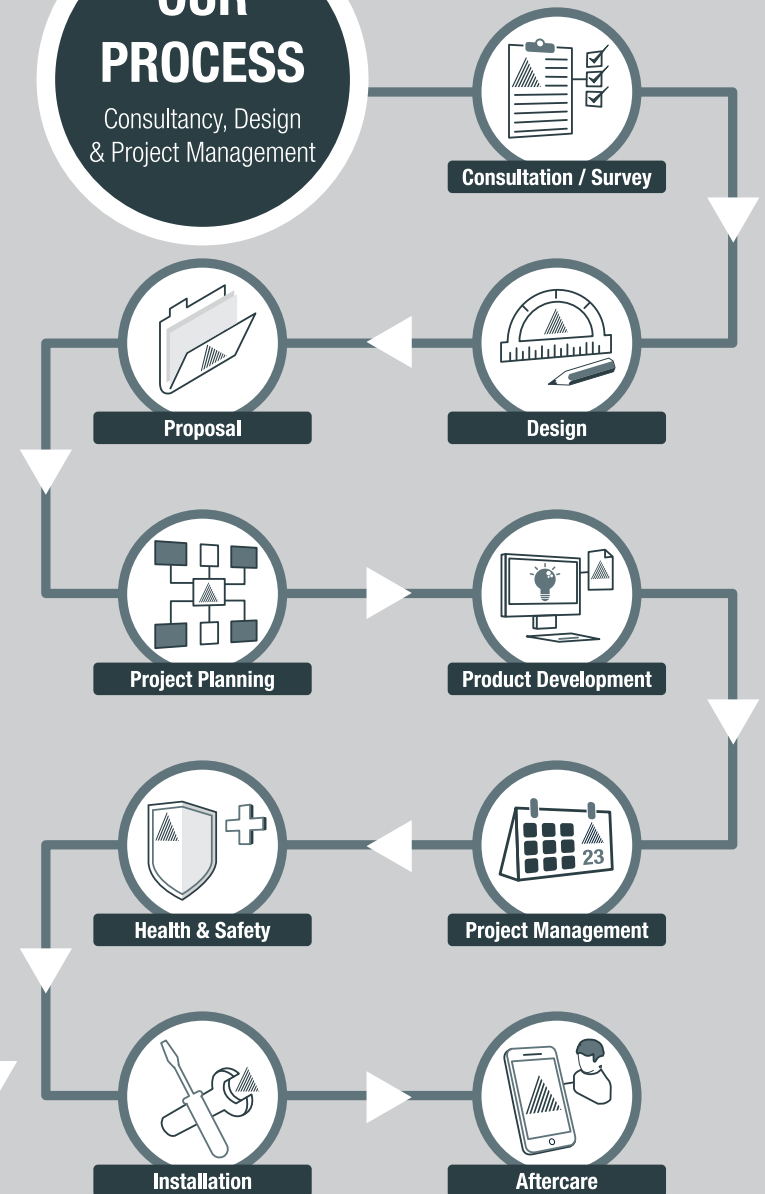
Equipment is installed in accordance with SEMA guidelines by SEIRS qualified installers.

AFTER CARE

We offer further ongoing technical support and maintenance if required.

OUR PROCESS

Consultancy, Design
& Project Management



MEZZANINE FLOORS

OFFICE INTERIORS

PALLET RACKING

SHELVING SYSTEMS

STEEL PARTITIONS

WORKPLACE EQUIPMENT

WAREHOUSE FLOORING

PRINCIPAL CONTRACTOR

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