



# **AVANTA**

## **VNA Pallet Racking with Low-Level Pallet Racking**

### **CASE STUDY**







## VNA Pallet Racking with Low-Level Pallet Racking

**Scope:** High-density pallet racking installation across multiple warehouse zones. Avanta UK Ltd has partnered with a prominent UK multi-channel retailer for over 25 years, delivering a wide range of warehouse improvement projects – from mezzanine installations to office conversions and staff shop fit-outs.

This particular project focused on increasing storage density in two distinct areas of the warehouse using a combination of Very Narrow Aisle (VNA) pallet racking and low-level pallet racking. The solution was designed to accommodate pallets, boxes, and rolls of fabric efficiently.

### VNA Adjustable Pallet Racking

- Height: 17m to 18.5m
- Frame: Galvanised
- Beams: Painted orange, 2.7m long, 2000kg capacity
- Adjustable pitch: 50mm, allowing reconfiguration for different pallet heights
- Current beam levels: 1850mm, 3700mm, 5500mm, 7400mm, 9250mm, 11000mm, 12950mm, 14800mm, 16650mm

### Configuration:

- 1 single run (30 bays)
- 2 double runs (30 bays each)
- Capacity: 3,000 pallets
- Sprinkler brackets: Installed throughout

### Low-Level Adjustable Pallet Racking

- Height: 2m and 2.5m
- Bay size: 2.7m clear entry width x 1m depth

### Configuration:

- 46 runs @ 20 bays long
- 5 runs @ 21 bays long

### Capacity:

- 4,310 pallets
- 1,235 pick locations

### Features:

- Mesh decks fitted to all levels
- End barriers and upright protection throughout
- Designed for storing pallets, boxes, and fabric rolls used in furniture production

### Conclusion

Pallet racking is a vital component of modern warehouse operations. It supports efficient inventory management, optimises space, and ensures safe and organised storage. This project highlights how tailored racking systems can meet both high-density and flexible storage needs.

To learn more, visit: Pallet Racking Explained – Avanta UK  
(<https://www.avantauk.com/pallet-racking-explained/>)



**Height: 17 to 18.5m  
Galvanised**

**Beams: 2.7m Long  
2000kg Capacity**

**APR Racking  
Height: 2 to 2.5m**

**End Barriers  
& Upright Protection**





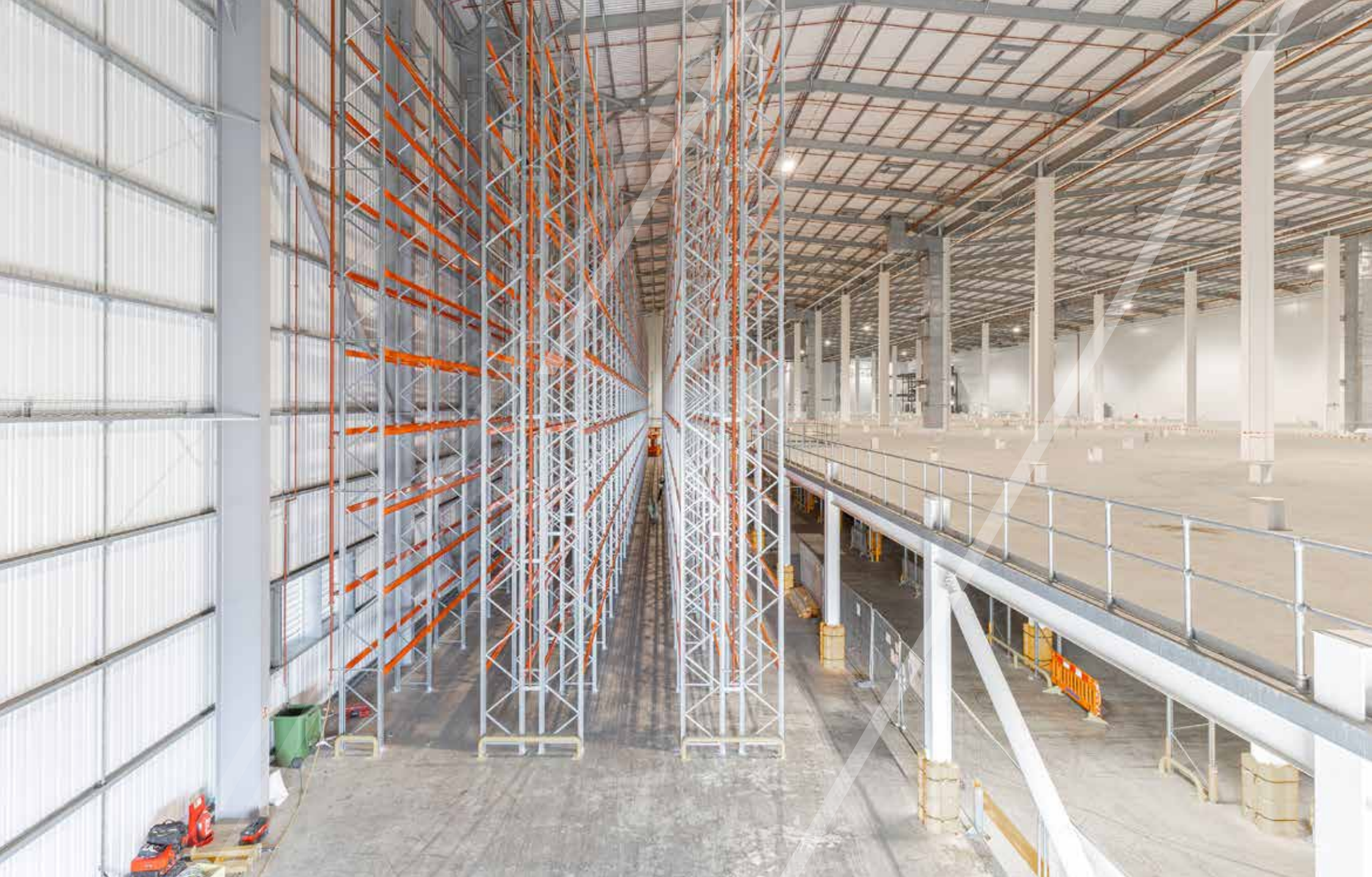




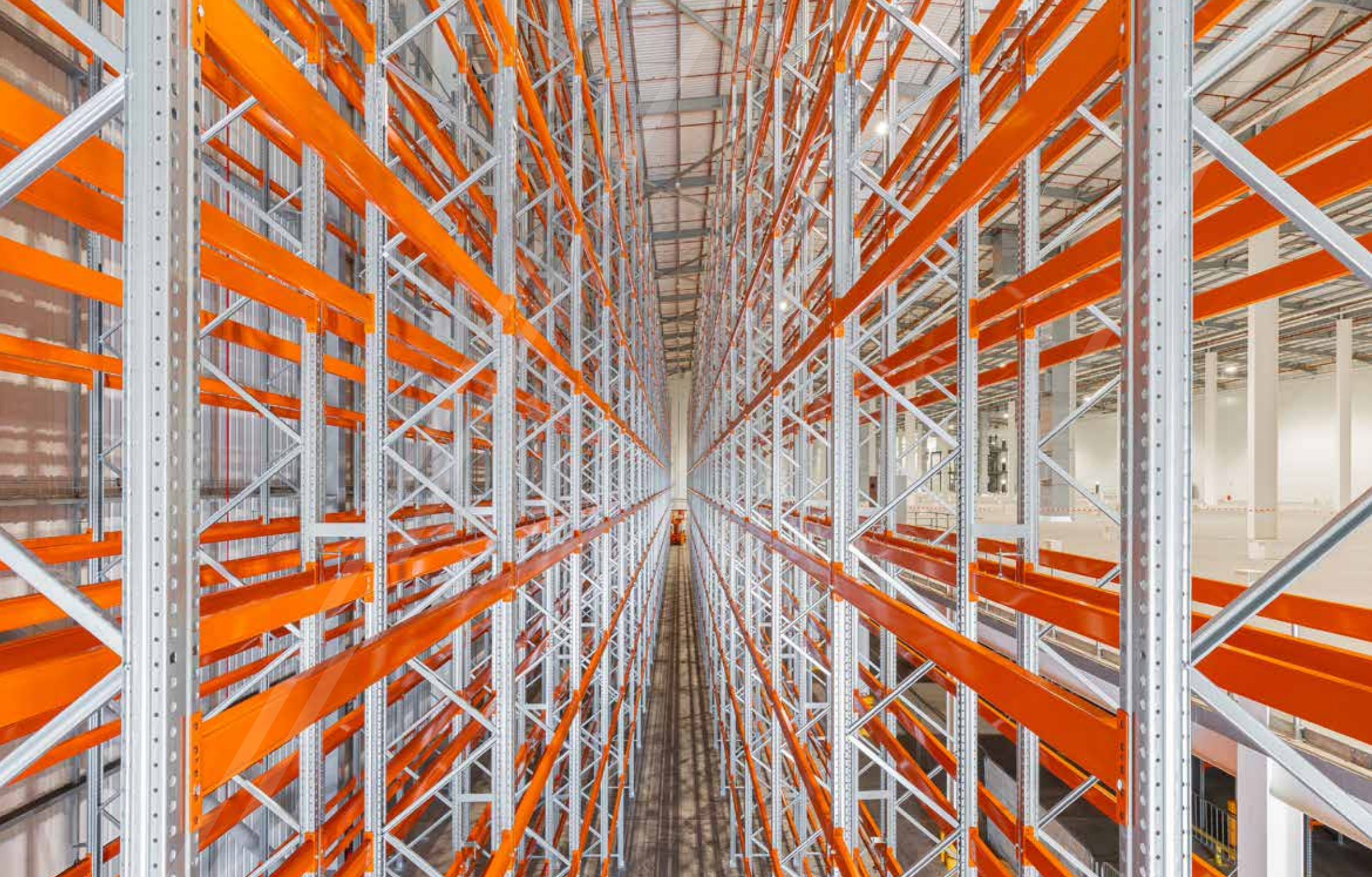
















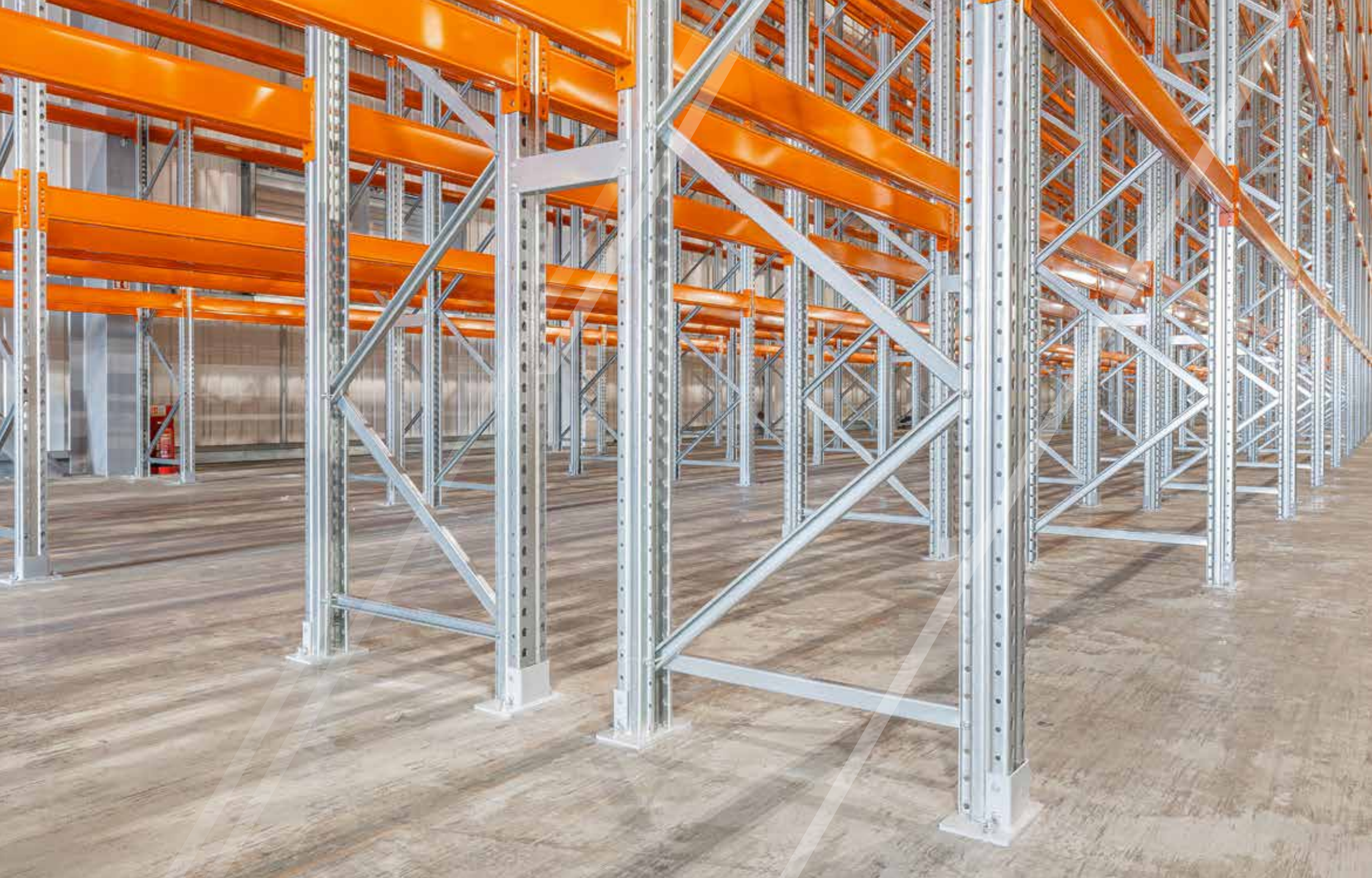
Avanta UK Ltd – Unit 1, Matrix Court, Middleton Grove  
Leeds, West Yorkshire, United Kingdom, LS11 5WB

**AVANTA**





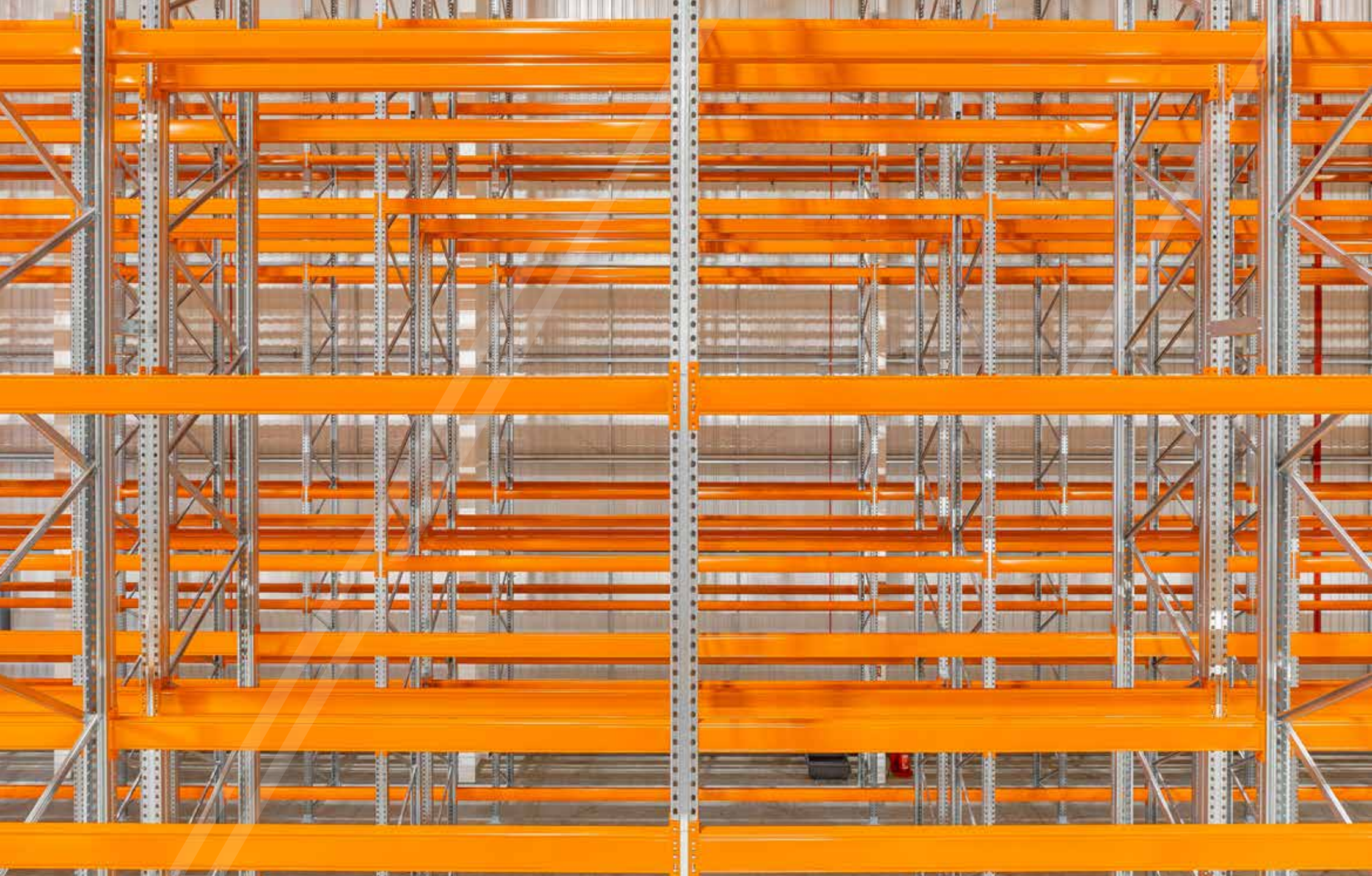




**Avanta UK Ltd** – Unit 1, Matrix Court, Middleton Grove  
Leeds, West Yorkshire, United Kingdom, LS11 5WB

**AVANTA**

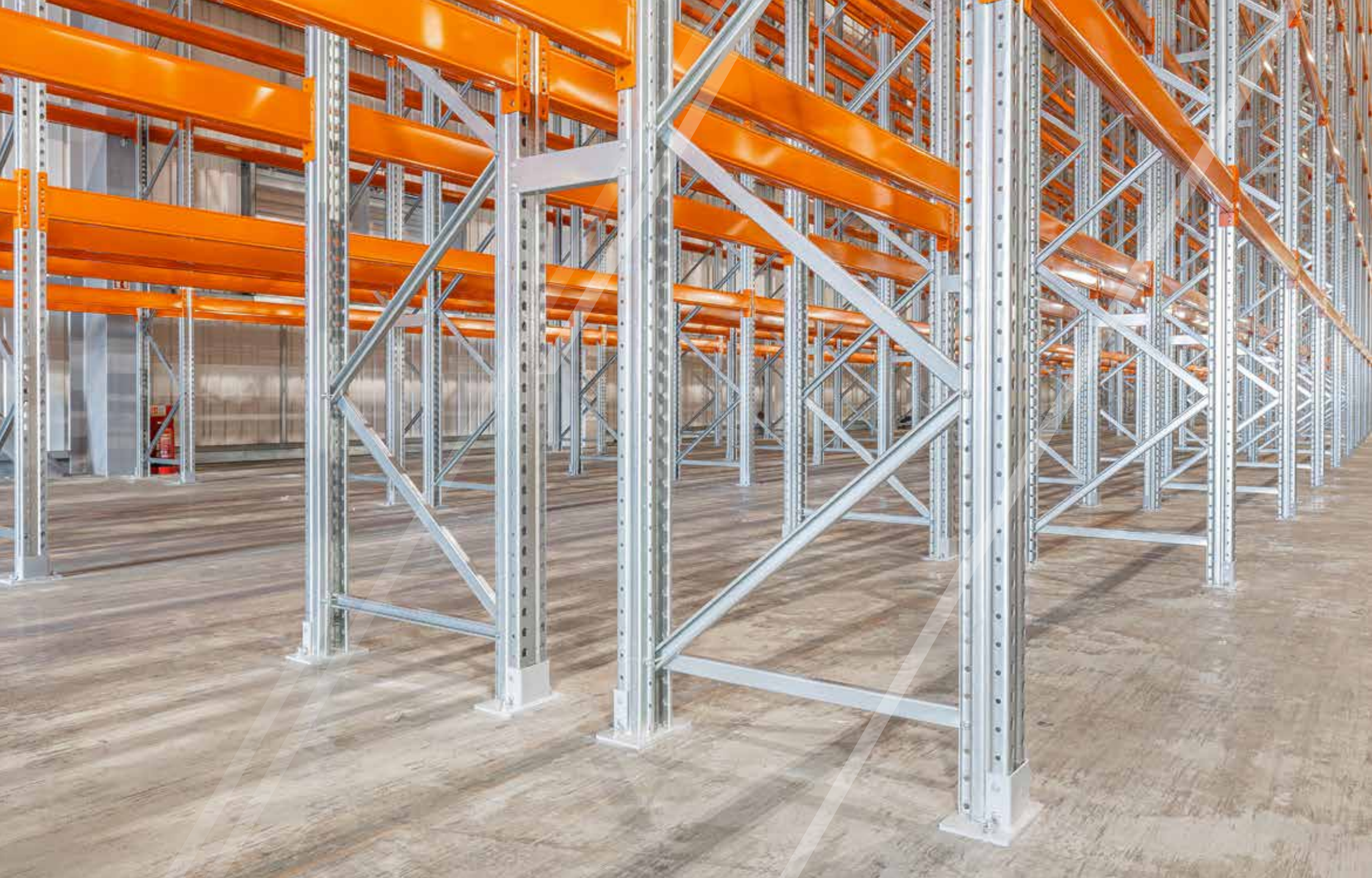












**Avanta UK Ltd** – Unit 1, Matrix Court, Middleton Grove  
Leeds, West Yorkshire, United Kingdom, LS11 5WB

**AVANTA**





















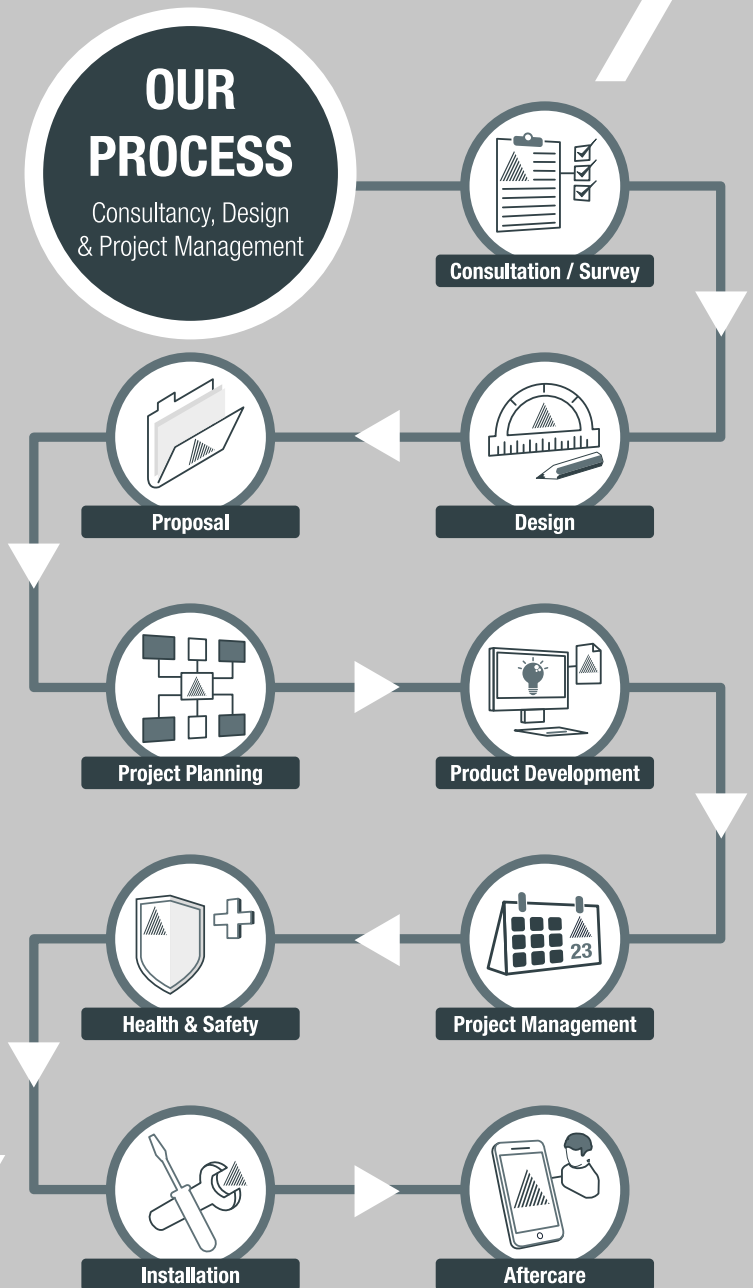
Avanta UK Ltd is an independent company with 20 years experience in designing and sourcing equipment. Long term partnership arrangements and rigorous appraisal of our portfolio of extensive manufacturing partners ensures that our clients have access to high quality and competitively priced standard and 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](http://www.avantauk.com)

For a free, no obligation quote  
**Call - 0800 975 4933**  
Email: [sales@avantauk.com](mailto:sales@avantauk.com)





**MEZZANINE FLOORS**

**PALLET RACKING**

**SHELVING SYSTEMS**

**STEEL PARTITIONS**

**OFFICE INTERIORS**

**WAREHOUSE AUTOMATION**

**WORKPLACE EQUIPMENT**

**WAREHOUSE FLOORING**

**PRINCIPAL CONTRACTOR**

**AVANTA**

**0113 384 8777**

[www.avantauk.com](http://www.avantauk.com)

[sales@avantauk.com](mailto:sales@avantauk.com)

**Avanta UK Ltd**

Unit 1, Matrix Court, Middleton Grove,  
Leeds, West Yorkshire, LS11 5WB

