



AVANTA

**3PLUK Expand Capacity and
Customer Base with the help
of an Avanta Pick Tower**

3pluk

CASE STUDY





Multi-Level Picking Structure for 3PLUK

Avanta UK was invited to propose a suitable storage solution for use at a new Wrexham facility, home to the rapidly growing fulfilment specialist 3PLUK, and their sister brand, Shape Fulfilment.

Since 2010, 3PLUK has been helping ecommerce brands reach their potential through providing reliable order fulfilment services. With UK & EU fulfilment hubs, 3PLUK specialises in helping ecommerce brands upscale, to go from selling 50 items per month, to 50,000.

With such a wide variety of both existing and potential customers, 3PLUK required a storage solution that would optimise storage density and order velocity, particularly for such a wide range of products that can vary in size and shape.

Avanta UK proposed a multi-tier pick structure to utilise the available height, to be constructed from pallet racking, as well as incorporating a mezzanine floor for loading and marshalling areas. The racking structure with adjustable beams enables customisation if the product profile changes, such as in the event of a new contract win for the client. Levels can be converted from narrow shelving to storage for pallets if required.

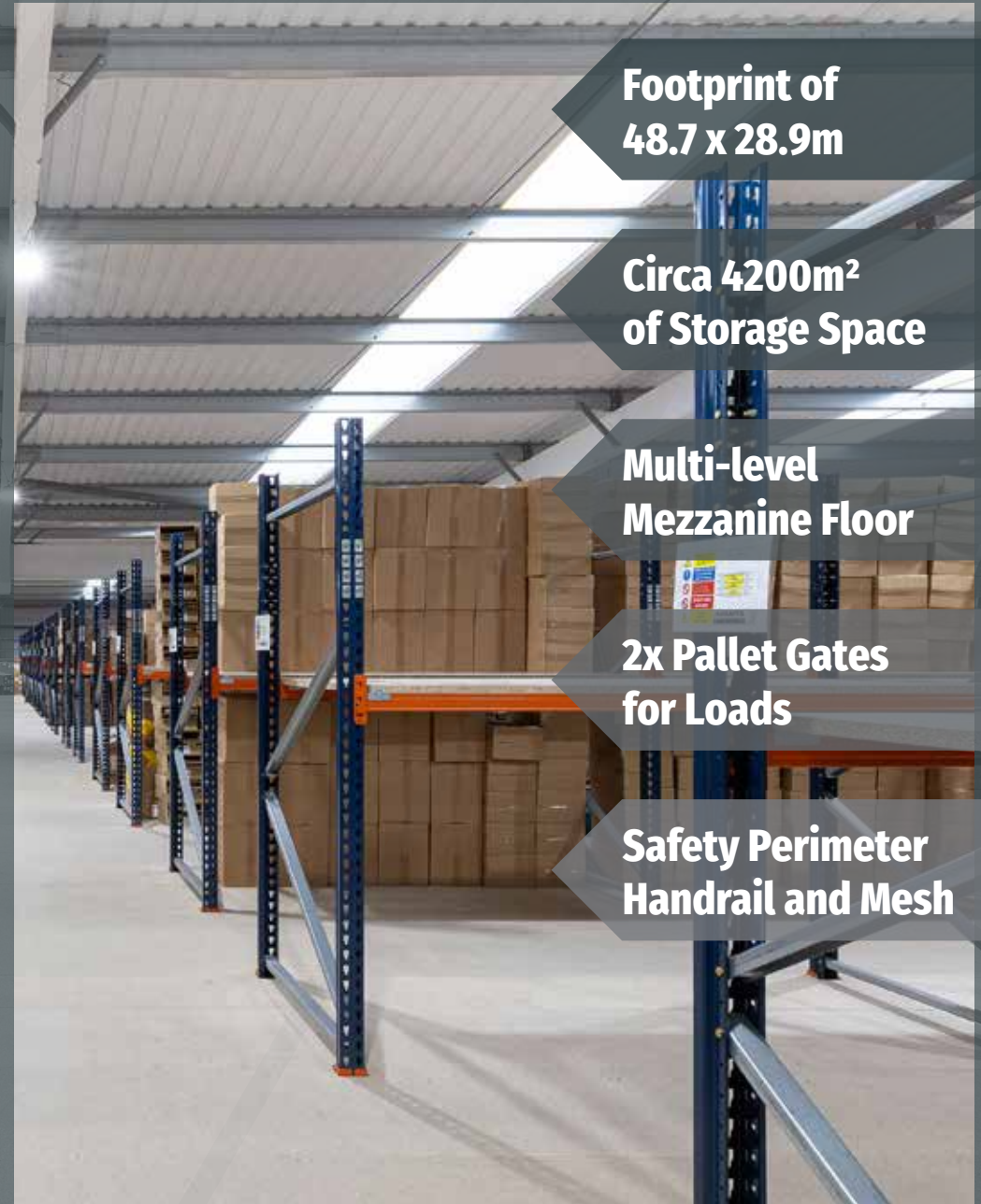
The Multi-tier structure, has a footprint of 48.7m length x 28.9m wide with ground and 2 walkway levels at 2,435 and 4,835mm. This gives the client circa 4200m² of storage space. Ground and level 1 was to store boxes and a variety of pick totes. The top level had extended racks with garment rails to store specific longer garments for a particular client.

The design included a flat chipboard surface to all walkway levels using Class O foil backed boards enabled the smooth operation of pump trucks and mobile pick steps / trolleys.

The structure incorporated a multi-level mezzanine floor with access via 4x staircases for personnel and 2x pallet gates for loads. Safety perimeter handrail and mesh fitted to prevent the fall of small items was supplied and installed by Avanta.

As part of this project, Avanta designed, supplied and installed a run of additional pallet racking outside of the structure for bulk storage with upright guards and anti-collapse mesh.

The new storage and fulfilment facility has enabled 3PL to attract multiple new clients with specific areas with the structure dedicated to each client with different storage requirements.



**Footprint of
48.7 x 28.9m**

**Circa 4200m²
of Storage Space**

**Multi-level
Mezzanine Floor**

**2x Pallet Gates
for Loads**

**Safety Perimeter
Handrail and Mesh**



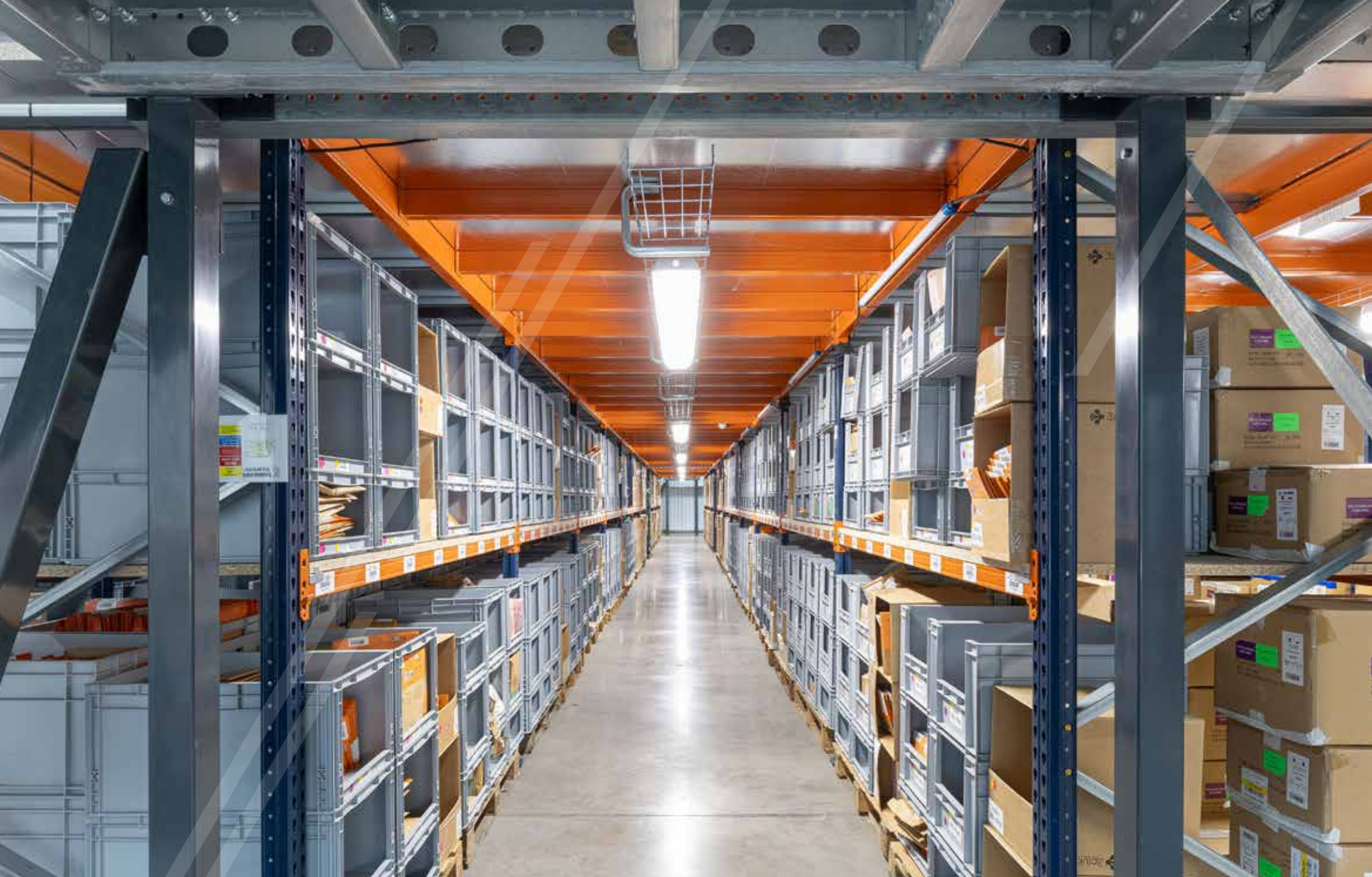






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 Conduct regular inspections to check for:

- Correct application and use
- Loads within allowable safe limits
- Accidental damage or dislodgement of structural components

 **REPORT ALL DAMAGE TO THE RACKING SAFETY OFFICER**

 Do not alter the structure without either:

- Checking effects against manufacturer's technical data
- Obtaining approval from supplier

 **DO NOT CLIMB PALLET RACKING**

 Refer to SEMA 'Code of Practice for the Use of Static Pallet Racking' for more detailed information

 If in doubt ALWAYS contact Supplier

Date installed: 01.10.23
Contract No: 33707Qx

MAXIMUM BEAM LOAD - kg
(UNIFORMLY DISTRIBUTED)

2000kgs

2000kgs

2000kgs

6000kg

Height of First Beam 1850MM

Height of Next Beam 1850MM

MAXIMUM BAY LOAD - kg



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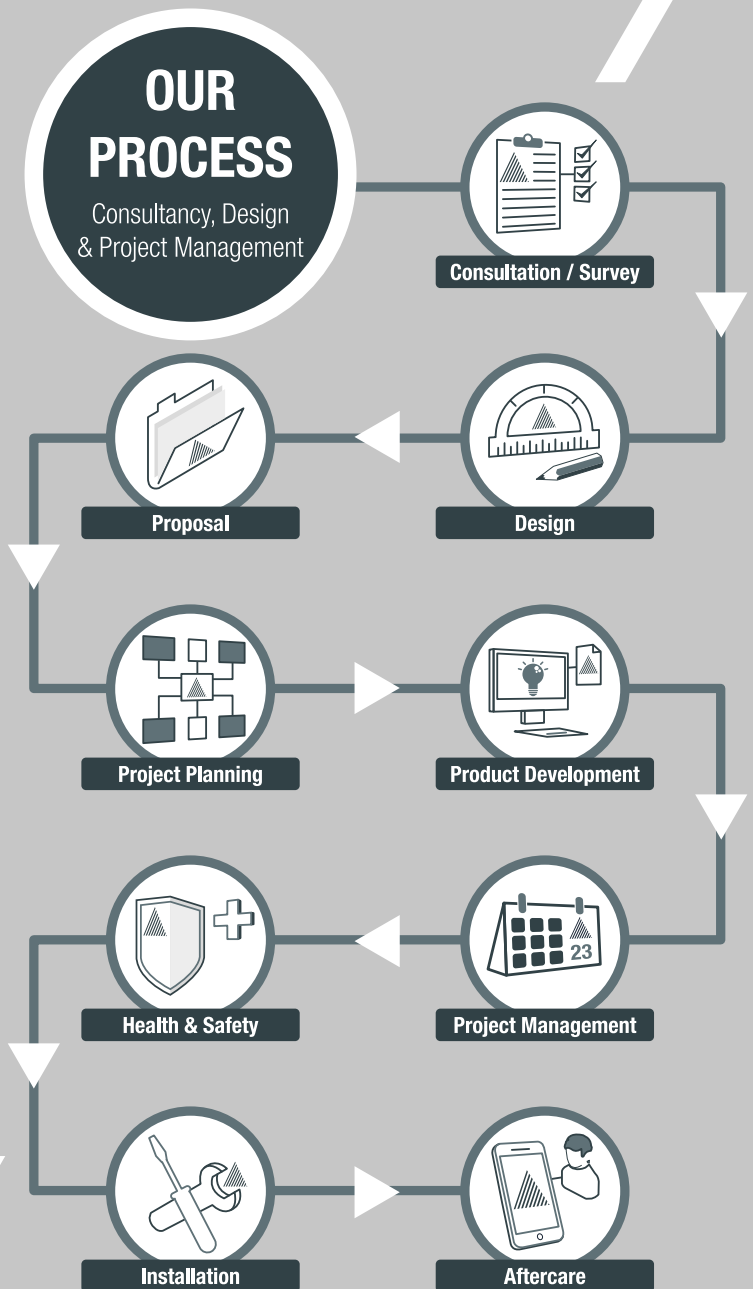

Avanta UK Ltd is an independent company with 20 years experience in designing and sourcing equipment. Long term partnership arrangements and rigorous appraisal of our portfolio of extensive manufacturing partners ensures that our clients have access to high quality and competitively priced standard and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

For a free, no obligation quote
Call - 0800 975 4933
Email: sales@avantauk.com



MEZZANINE FLOORS

PALLET RACKING

SHELVING SYSTEMS

STEEL PARTITIONS

OFFICE INTERIORS

WAREHOUSE AUTOMATION

WORKPLACE EQUIPMENT

WAREHOUSE FLOORING

PRINCIPAL CONTRACTOR

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