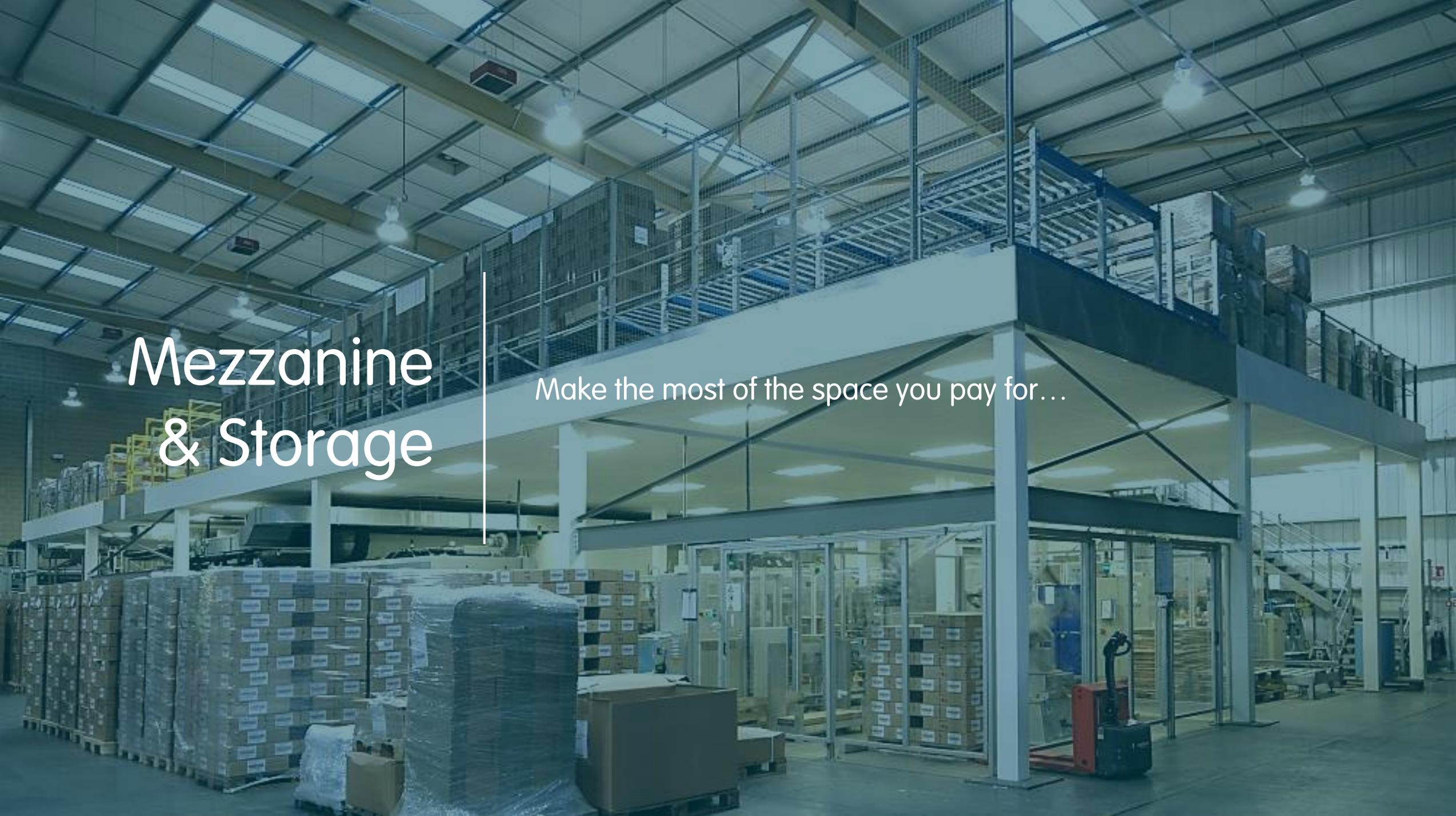


whitespace...  
creating workspace

# Mezzanine & Storage

Make the most of the space you pay for...



## RETAIL SOLUTIONS

A mezzanine offers far more space for your retail environment, whether it's back-of-store storage or front-of-house display.

With fast and clean installation by experienced engineers, and with no alteration to the structure of the surrounding building, shopping centre landlords find no objection to installation.



### Think of the advantages

At the front of your store, a wide range of bespoke handrail and staircase options allows the mezzanine to be customised to suit your sales environment. Your same premises will look bigger, busier, more inviting, more profitable.

Back of store, you get more storage capacity for stock in the minimum available space simply by using the height of your ceiling. Greater storage capacity means fewer deliveries, and more time to develop your business your way.

## STAIRCASES & HANDRAILS

With every mezzanine floor, we understand the importance of offering an inviting, engaging business environment. Form counts as well as function. We can call on many years experience in finding the most complementary and appropriate staircase and handrail design for your mezzanine floor, allowing your space to flow smoothly, stylishly and seamlessly from the ground up.



From feature staircases and special glazed handrails to a simple access stair with standard handrails, we can advise and ensure your mezzanine not only complies with all relevant legislation, but looks the part too.

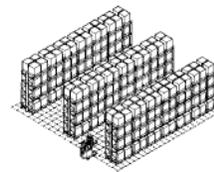


# PALLET RACKING SOLUTIONS

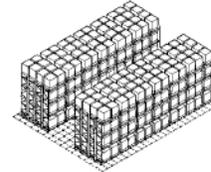
We specialises in the design and installation of a wide range of versatile storage equipment; from adjustable beam pallet racking and heavy duty shelving, through to 'live storage' and fully integrated 'turnkey' warehouse schemes.



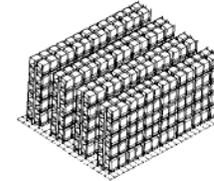
## CHOOSING THE RIGHT SOLUTION



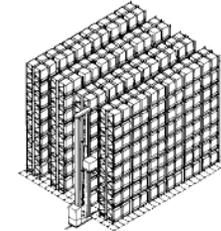
Wide Aisle



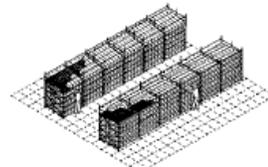
Double Deep



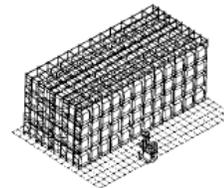
Narrow Aisle



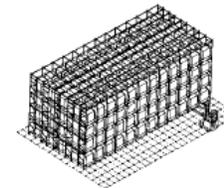
ASRS



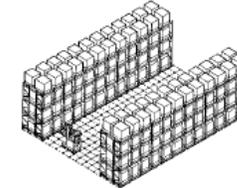
Carton Live



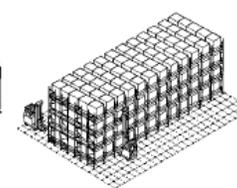
Drive In



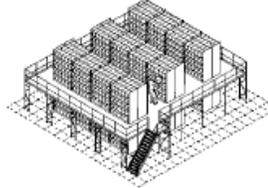
Shuttle



Push Back



Pallet Live



Pick Towers

## WIDE AISLE

- Easily installed, cost-effective and versatile; wide aisle racking is the most commonly used pallet storage system
- Direct access to each pallet stored
- With adjustable beams, racking can be re-configured to accommodate changes in the type of goods stored
- Wide aisles allow access by all types of truck, making specialised handling equipment unnecessary

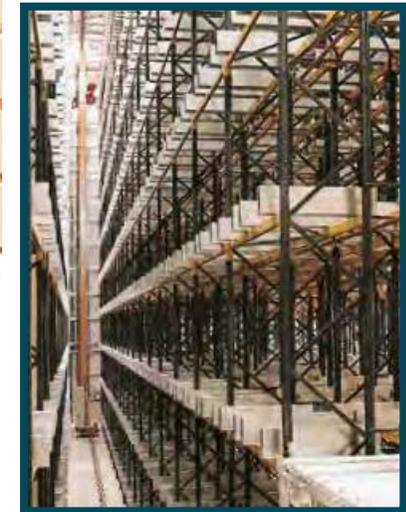


## DOUBLE DEEP

- Double Deep pallet racking, as the name implies, allows pallets to be stored two deep, with both pallets accessible from the same aisle
- By reducing the number of access aisles and using the space saved to accommodate additional racking, a Double Deep configuration provides a highly space-efficient storage system
- Pallets stored two deep require forklift trucks with extendable forks
- Speed of access to all pallet positions is restricted

## NARROW AISLE ASRS

- Gives easy access to all pallets stored, with working aisles reduced to the absolute minimum to save floor space. Pallets are stored at heights of (up to) 30 metres
- These racking systems are served by order picking stacker cranes: providing fast throughput and high accuracy in storage and retrieval
- Trucks operate in aisles that are (up to) half the width of wide aisle pallet racking. Narrow aisles make excellent use of floor space and maximises the height at which goods can be stacked
- Easy, individual access to all pallets stored
- Specialised lift trucks are required in either 'man-down' or 'man-up' variants, allow manoeuvring in the narrow aisles between racks
- Rails or wires at floor level guide trucks precisely into position; reducing the risk of accidental damage from user error and improving safety within the system
- Use of cameras, indexing and RFID



### ASRS

- Gives easy access to all pallets stored, with working aisles reduced to the absolute minimum to save floor space. Pallets are stored at heights of (up to) 30 metres.
- These racking systems are served by order picking stacker cranes: providing fast throughput and high accuracy in storage and retrieval.

## DRIVE IN

- Drive-in racking provides a high-density storage area. This increases capacity by 60-80% (when compared to conventional "aisle" racking)
- Pallets are stored on guide rails so forklift trucks can enter "storage lanes", in order to deposit and retrieve loads
- Access can be from one end (the true 'drive-in' configuration) or from both ends ('drive-through', for improved stock rotation)
- A safe and efficient solution for fragile or unstable loads. Loads are stacked individually, rather than on top of each other
- Ideal for optimum space utilisation
- Sprinkler systems can be incorporated into the racking structure



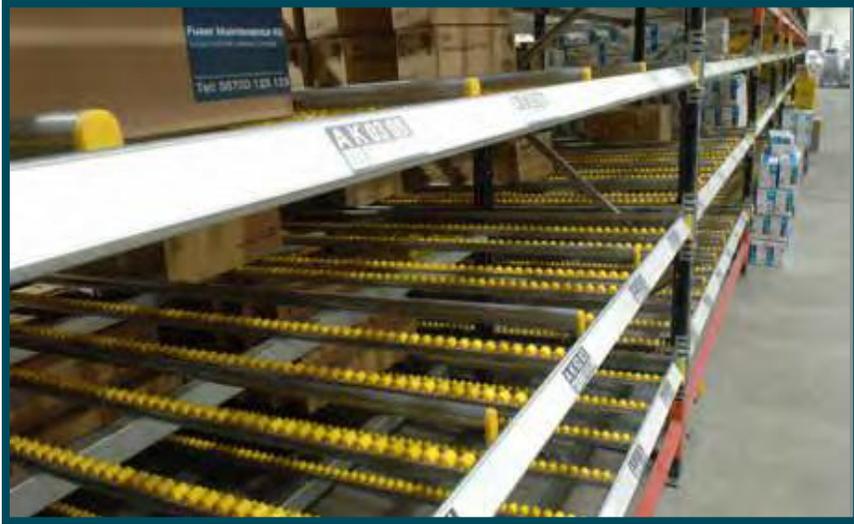
## PALLET SHUTTLE

- Can work either as FIFO or as LIFO, so it is a highly efficient alternative to Drive-In, Push Back or Pallet Live storage
- Features guide/support rails which run the depth of the rack structure on which an automated battery powered shuttle travels
- Pallets are loaded onto the shuttle at the front of the lane, which transports the pallet down to the other end (placing the new load at a predetermined distance from previous pallets), before returning to the start face
- The shuttle movements are sent via the radio remote controller: allowing the forklift truck and driver to be released to other tasks while the shuttle operates
- The shuttle is easily moved between lanes by a standard fork lift truck



## PALLET LIVE

- High capacity system; ideal for storing perishable goods with high rotation, as well as high consumption goods with a continuous flow
- Working on a first in, first out basis, dynamic live storage provides automatic stock rotation
- Pallets are loaded onto dedicated lanes of inclined gravity rollers, when a load is taken from the picking face, the next pallet rolls into position
- Pallet separators and speed controllers regulate pallet movement down the incline
- Requires only two fork truck aisles; one for loading and one for picking



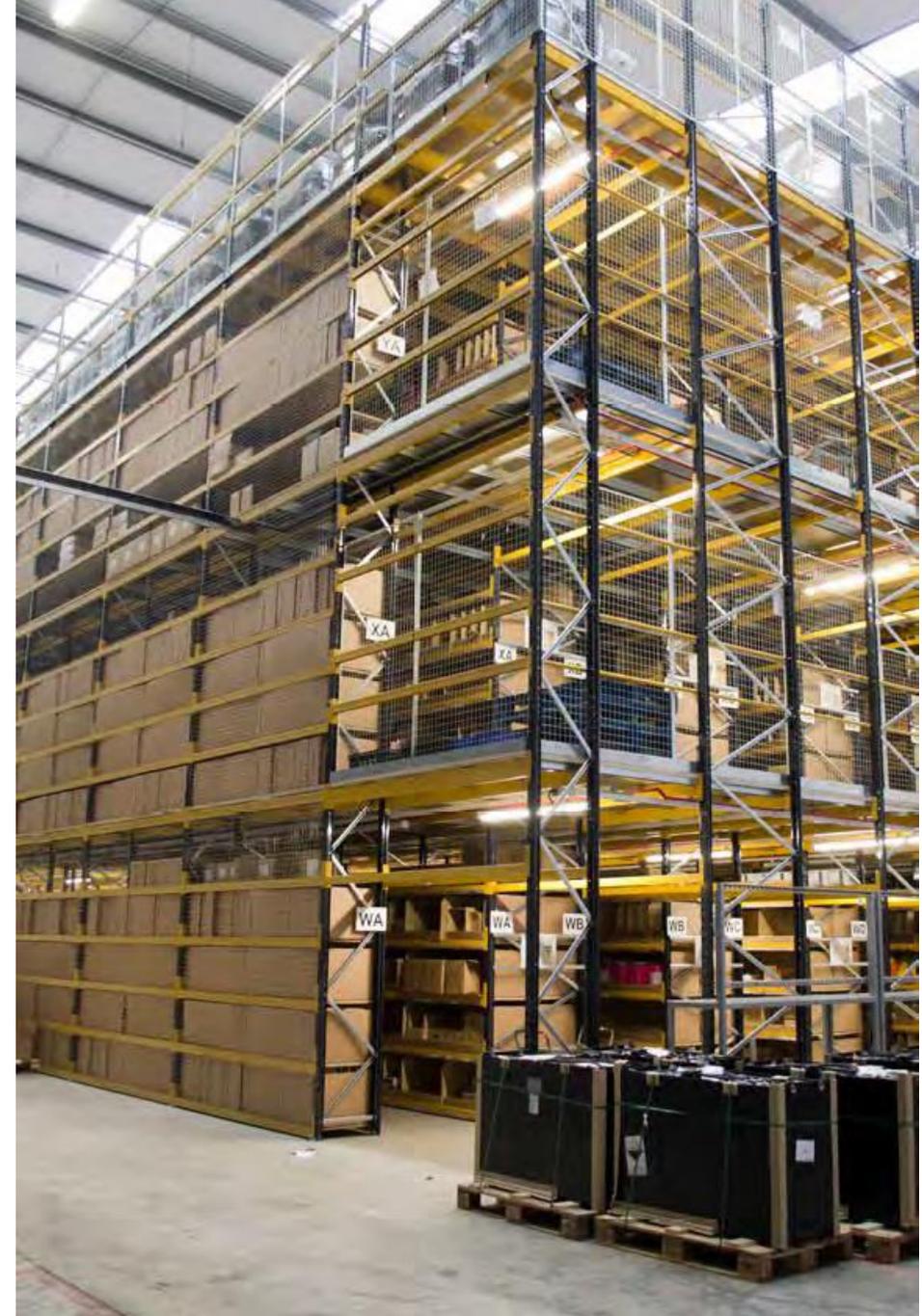
## CARTON LIVE

- Manual, hand-loaded Carton Live offers 'first-in, first-out' storage; ideal for areas handling and using fast moving product lines.
- Inclined trays of roller tracks allow goods to roll down dedicated lanes within the trays, from the loading to the picking face.
- Both the size and number of rollers within the trays, (and the load capacity of the support frames), are tailored to the size and weight of the items stored.



## PICK TOWERS

- Pick Towers are tiered pallet racking or shelving structures that are designed to meet two key goals – increasing picking efficiency and maximising storage capacity. A ground plus 3 level pick tower can increase storage capacity by 300% in the same footprint or could reduce a new build by up to 75% in size
- Installing a pick tower allows you to maximise your building capacity to either create more SKU (Stock Keeping Unit) capacity or create valuable space for departments within your operation.
- Can be designed to store single SKU's, full cartons, pallets or a combination
- Pick tower can easily incorporate conveyor solutions and a variety of picking systems (including voice picking and pick to light), all of which can increase pick rate
- The modular design of the pick towers allows for easy integration of other services and utilities; such as fire protection, ventilation, sprinklers, sensor operated lighting, pallet gates and tote lifts within the structure



## INTEGRATED SOLUTIONS

Whilst many of our customers require only standard racking configurations, some customers undertake larger and more complex solutions, requiring a wide range of products and services to be sourced, integrated, and installed with the whole process project managed as a one-stop shop. By utilising our pallet racking, shelving, tiered structures and mezzanine floors and integrating them with conveyor, sortation and picking systems; we can deliver tailored solutions that meet the unique needs of our customers.



## SPECIALISED RACKING

The versatility of our racking and storage equipment means that large, bulky or simply awkward to store items can be accommodated using the most accessible and space-efficient methods. With standard components used in a novel way, or by utilising specialised 'bespoke' accessories, (specified and manufactured to a customer's particular requirement), our expertise in creative storage design means there is always a cost and space effective solution to what can appear to be the most awkward of storage problems.



# MOBILE SHELVING

Designed to meet a range of floor loading requirements for light duty, medium duty and heavy duty applications in office & commercial, retail, archive & heritage and health environments.





1 Door

2 Door

3 Door

4 Door

6 Door

8 door

16 door

## FULL HEIGHT LOCKERS



## SLOPING TOP LOCKERS



## BENCHES



## CLOAKROOM BENCHES



## WOOD EFFECT DOOR LOCKERS



**CANTILEVER RACKING**



**SHELVING BAYS**



**CABINET/CUPBOARDS**

We have a wide range of other products which makes us the complete one-stop supplier for your storage requirements.

So whether you need lockers for staff changing areas, pallet racking for warehouses, commercial shelving for office environments, packing benches, plastic containers or hazardous substance storage cupboards we can provide the solution.

Contact us to discuss your project.

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