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COMPLETE STORAGE SOLUTIONS

- **racking & shelving**
- **mezzanine floors**
- **partitioning**
- **suspended ceilings**
- **safety inspections**

Our project management team is able to provide a cost effective alternative which provides a complete advisory, CAD design, planning and site management service for all types of installations from a complex storage/handling scheme to an office refurbishment programme.

SDE Ltd have the experience and expertise to undertake turn key projects and have done this for such companies as Brantano, Partco, Arnold Laver, WH Smith News and Quinton Hazell. Working with these companies we have been commissioned to design warehouse layouts including racking, stock picking systems, conveyor systems and material handling equipment as well as designing office layouts.

Once the design has been approved we have sourced the right materials, evaluated quotation, made our recommendations and placed orders. We then project manage the contract to successful completion.

Our expertise in this area is particularly important when we are asked to be involved with refurbishment in offices, warehouses, and retail outlets.



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for further info call SDE on **01246 827 722**

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Industrial



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solutions for every **environment**



tailor-made
storage
solutions



the company

Since its formation in 1992, SDE has grown rapidly to become a major player in the storage and materials handling industry. Offering clients a complete service geared to satisfying individual requirements, at competitive prices, is the hallmark to SDE's success. SDE's client base includes familiar names in widely differing industries, such as **Unipart, Arnold Laver, Focus Do It All, Trebor Bassett, WH Smith** and **Quinton Hazell**.

the service

SDE offer a complete service including consultation, planning, design, installation and aftersales.

Being independent SDE are not tied down to any one manufacturer; therefore every quotation is based on your specific requirements.

installation

SDE employ a dedicated and experienced installation team qualified for all types of installations. Steel products are installed under the SEMA (Storage Equipment Manufacturers Association) codes of practice and partition installations follow the PIA (Partitioning Installers Association) guidelines.

pallet racking

adjustable pallet racking

Adjustable pallet racking is the most widely used technique for storing palletised unit loads. It consists of upright frames and horizontal beams that interlock to form the rack structure. Within the rack each pallet is individually supported and independently accessible. Adjustable pallet racking arranged in a wide aisle pattern, a minimum of 2.5 metres wide aisles, requires no specialised handling equipment. A standard counter balance truck can be used in aisles 3.5 to 4.0 metres wide. Reach trucks can work aisles only 2.5 metres wide. A limitation of using standard lift trucks is that the racking system's height is restricted to the maximum lift height of the trucks.

Racking arranged in this way gives a high quality storage but may only utilise 40% of the available floor space, the rest being aisles. However, fast throughput and ease of loading make this type of storage extremely popular.



narrow aisle

Narrow aisle racking systems have the aisle width reduced to around 1.6 metres. This can free up to 45% of the floor space given over to aisles in a wide aisle scheme. Narrow aisle forklift trucks must be used with the system, but the net result is a dramatic increase in space utilisation.

drive-in racking

If storage capacity is a prime requirement of your warehouse then drive-in racking may offer the solution. Eliminating aisles and lanes produces a higher storage density at the expense of selectivity. The first pallet into a lane will be the last out.

However in many applications pallets are received and dispatched in batches so this is not a disadvantage. Each pallet is supported so damage from crushing is eliminated. Speed of operation is good with standard forklift trucks driving into the lanes to pick and place pallets. It can be further increased by the provision of lead-in rails and guidance rails within the lanes.



push back

Push back is an innovative solution that enables full space utilisation when a run of rack backs onto a wall or has a barrier that prevents total access. Push back comprises special beams and two push back subframes assemblies running from front to back in each bay. The fabricated subframes have wheels that run in captive tracks that amount onto the beams. The rear beam is higher than the front beam so the subframes come to rest at the front of the bay. When a standard fork lift truck place the first pallet in a bay it sits on the subframe. Putting a second pallet into the bay pushes the first pallet to the back. When lowered, the second pallet then sits on the beams so preventing the first pallet from rolling forward.



pallet racking



live storage

High storage density and perfect stock rotation. Any size and shape of pallet can be handled and each is fully supported. This system is ideal for fast moving, perishable goods.



mobile racking

Powered mobile pallet racking comprise of conventional pallet racking mounted upon a steel framed base. This has electrically driven wheels which run on tracks set in to the floor. The system enables a run of racking to be moved to create an access aisle.

Up to 80% of the floor area can be occupied for storage, while retaining access to every pallet. Redirack racking, with its welded construction is ideal for this application. Having no bolts eliminates the need for safety checks on bolt torque.

health/safety

maintenance surveys of racking / shelving

Maintenance surveys of racking/shelving installations is a much neglected area but one that can have serious consequences not only for those whom may be injured but also for those who are responsible for equipment under their control. The following text is a summary of comments taken from the health and safety act documents.

Section 33 of the health and safety act of 1974 identifies 16 offences for which directors or managers of a company may be prosecuted. The lesser of these offences carry a maximum fine of £2000.00. The two most serious offences which refer of death or serious injury due to failure to discharge a duty to which they are subjected to by virtue of sections 2 to 6 of the act carry a maximum penalty of six months imprisonment and a £20,000.00 fine on summary conviction. Or conviction on indictment (conviction after trial by jury) this can be increased to a maximum of two years imprisonment and a fine of an unspecified amount.

SDE can carry out safety surveys on racking and shelving which complies with the SEMA codes of practice for racking and shelving. These surveys are competitively priced. Please contact our office for a quotation.



anti collapse mesh



crash barriers



just shelving

Quick and easily assembled, requiring only a rubber mallet, this range of products offers fast and economic solutions to everyday storage and production problems.

With its robust and colourful finish, these units are at home in any environment. A wide range of depths and widths offers flexible and cost effective solutions.



two/three tier shelving

Utilising shelving to support two/three floors to utilise the height of the building more efficiently.



longspan shelving

Heavy Duty Longspan System, fully adjustable, ideal storage solution for large bulky hand loaded items. Can be decked with either timber or steel dependent on loading requirements.



euro shelving

Heavy duty simple and easy to bolt together system creating a hard wearing practical shelving solution.



stormor shelving

Medium duty, versatile shelving that is strong, ideal for books, archive documents and small component storage.



mobile shelving

Ideal where space is at a premium, maximises storage by saving floor space. Most shelving systems can be utilised with mobile bases.

shelving

A wide range of shelving types available to suit most budgets, with a large selection available of ex-stock.

shelving



mezzanine floors



- **Mezzanine floors** can be built to suit any loading requirement. Standard constructions are available from 2.5 to 20kN/m².
- **Design** - The mezzanine floors are designed, manufactured and installed to the British Standard specifications of BS5950, BS6399 and the latest edition of the Building Regulations.
- **Columns** rectangular hollow sections or universal column sections.
- **Main beams** universal beam sections.
- **Deck beams** galvanised cold rolled steel sections.
- **Decking** 38mm T&G particle board, solid steel plain plate, chequer plate or open steel mesh panels.
- **Hand railing** Two rail galvanised tubular construction, with melamine faced kickboard/fascia where required.
- **Fire protections** One hour fire protection can be incorporated where requested. Alternatively, flame proofing can be introduced to particle board deck.

industrial partitioning

single skin steel partitioning



Single skin steel partitioning is an ideal solution where a high quality, economical partitioning arrangement is required for manufacturing and storage areas.

montage partitioning



Designed and developed as a modern alternative to steel monobloc partitioning. This product offers style with strength. Ideal for food/clean room environments.

double skin steel partitioning



Double skin steel partitioning is an alternative product for installations where a smooth interior finish is required. Works offices, clean rooms and storage areas for chemicals or food products.

suspended ceilings



Our ceilings are designed for use in all types of public or private building, whether new build or refurbishment, commercial or industrial. The range provides aesthetic and performance options

cantilever racking



Fully adaptable for storing and displaying multiple product ranges including, timber sections and mouldings, all types of timber boards and plaster boards, concrete and steel lintels, palletised goods including bricks, blocks and bagged goods, sanitary and clay products, copper and plastic pipes, guttering and sheeting components, fencing components and pavings.

other products

mesh guarding

Conforms to new EU perimeter protection regulations and must be used around machines in operation. Other mesh used to suit partitioning areas and anti collapse mesh to be fitted to rear of pallet racking.



workbenches

Light, medium and heavy duty benches, available with a wide range of accessories.



safety steps

Kick steps, mobile safety steps, industrial ladders. Mobile safety steps conform to necessary health and safety requirements.



plastic containers

Various sizes and colours available. Other products: K-bins, Tote pans clear bins, Cabinets.



conveyors

Gravity/belt conveyors, manual or powered, designed to suit the clients application.



trucks & trolleys

Various types available including, sacks trucks, nesting, cash and carry trolleys, platform trucks, order picking trolleys etc.



lockers/cupboards

Clothes lockers and general purpose storage cupboards.

