

MULTI-TIER SHELVING

BITO
LAGERTEKNIK

Maximise storage capacity by multiplying floor space

MAXIMISE
THE
UTILISATION
OF SPACE

www.bito.com



IDEAL FOR
STORING
INDIVIDUAL
ITEMS, BINS AND
CONTAINERS

MULTIPLY YOUR STORAGE SPACE ON THE GROUND FLOOR BY ADDING ONE OR MORE STORAGE LEVELS ABOVE

COMPACT AND SPACE-SAVING

- + Optimum use of available headroom
- + Maximum floor space utilisation

MODULAR AND FLEXIBLE

- + Accommodates any type of non-palletised goods
- + Allows the scaling up for potential seasonal peaks
- + Shelving can be added and structures reconfigured at any time
- + Ideal for handling varying product lines

OPERATIONALLY EFFECTIVE AND COST EFFICIENT

- + Compared to an automated storage facility, asset costs for a multi-tier installation are lower
- + Multi-tier storage enables your product range to be stocked in one central store instead of having to manage multiple locations
- + Faster order picking, because products related to the same order can be picked simultaneously on several tiers.

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THE SYSTEM

MULTI-TIER FACILITIES ARE MAINLY USED FOR STORING AND PICKING NON-PALLETISED GOODS AS WELL AS SMALL PARTS AND COMPONENTS STORED IN BINS AND CONTAINERS.

Multi-tier systems are constructed with standard shelving components. The height of the installation can be adapted to the height of your premises. This is particularly useful when floor space is at premium. It is the ideal solution for manual picking operations which can be handled even more efficiently thanks to simultaneous picking on several floor levels. For convenient access, the walkways on the different levels are linked to each other by stairways and/or lifts.



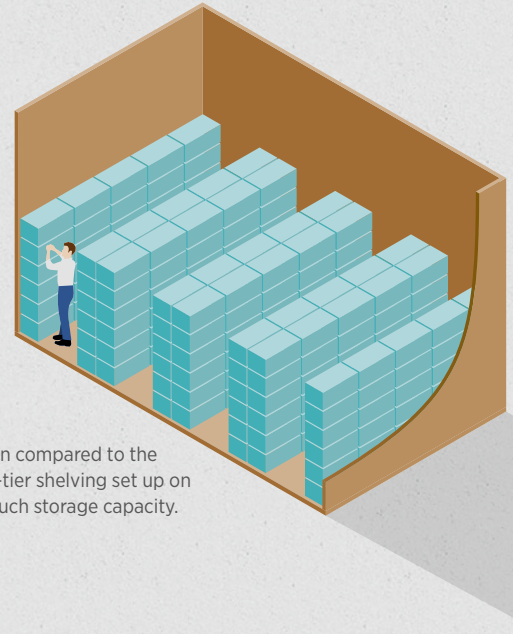
BITO Multi-tier installations in use at »DeLaval«

GENERAL BENEFITS

WIDER RANGE OF PRODUCT LINES IN THE SAME FLOOR AREA

Multi-tier facilities increase space utilisation by making full use of the available headroom, thereby maximising storage capacity in your existing building.

→ Storage capacity of a shelving installation compared to the storage capacity of multi-tier shelving: Two-tier shelving set up on the same floor area offers nearly twice as much storage capacity.



MODULAR AND FLEXIBLE

Coping with peak demand during the holiday season or after special sales promotions is no longer a problem. Whenever demand levels pick up, the number of operators can be increased to assist with high order volumes. There is no need to automate your processes.



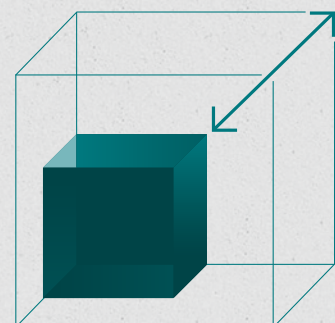
LOTS OF SPACE FOR A LARGE PRODUCT RANGE

Any company that has to manage a product portfolio with a large and varying number of product lines faces the challenge of living up to customer expectations. Multi-tier installations offer the flexibility you need for coping with spikes in demand.

Particularly in the e-commerce sector, flexibility is key when it comes to quickly adapting to consumer behaviour and seasonal peaks.

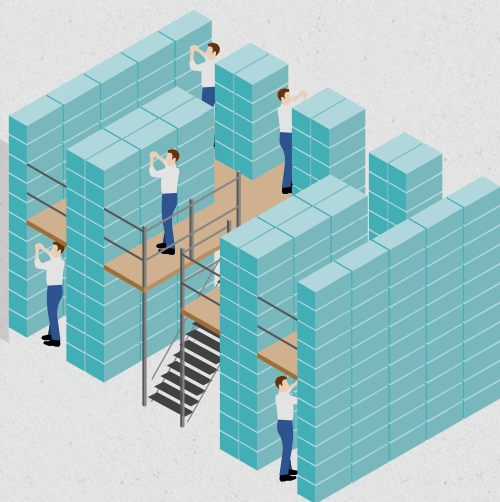
FUTURE PROOFING

Preparing for future development enables appropriate preparation for busy periods. Multi-tier shelving can be adapted or extended to address peaks no matter when they occur.



»BITO PRESENTED A CONVINCING WAREHOUSE LAYOUT AND WAS ABLE TO PROVIDE A SOLUTION TO ALL OUR REQUIREMENTS. VERY IMPORTANT, TOO, WAS THE FACT THAT OUR TIGHT TIME SCHEDULE FROM CONCEPT TO COMPLETION DID NOT DETER THEM.«

Florian Herr, Operations Manager of the printing and publishing house Publikaat Verlags- und Handels GmbH Co. KG, opted for a BITO multi-tier facility.



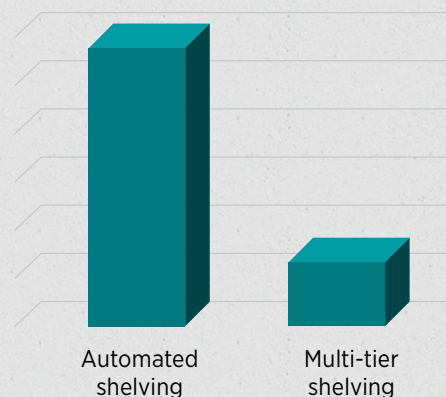
↑ BITO multi-tier shelving helps you improve your warehouse efficiency. Simultaneous order picking on several tiers saves time and reduces order throughput times.

IMPROVING WAREHOUSE EFFICIENCY REDUCES YOUR OVERALL COSTS

LOW INVESTMENT

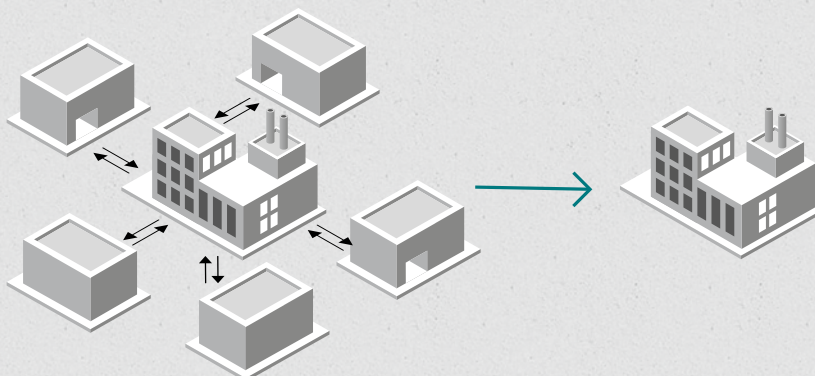
The investment costs for a multi-tier system amount to only a fraction of the sum that has to be invested in an automated system. This reduces your financial risk. The flexibility of a multi-tier solution will further help you spend less on internal and external logistics.

→ Investment in an automated solution versus a multi-tier solution The investment sum in a multi-tier-installation is many times lower.



CENTRALISED WAREHOUSING

Many companies choose a multi-tier solution to keep their entire inventory in one single warehouse instead of operating several facilities in different locations. A centralized warehouse will make inventory management easier, eliminate utility expenditures for different warehouses and decrease the cost of shipping between warehouses.



SYSTEM SPECIFIC ADVANTAGES



CUSTOMISED DESIGN – WE LISTEN TO YOUR NEEDS

Whether your installation needs to be designed for 100 picks or for 10,000 picks a day: We make sure that your multi-tier facility meets your demands. Possible design options include narrow walkways for lower pick rates and a small number of operators, while wide walkways are recommended for applications that require a lot of picks per day and a larger number of order pickers in the same area working with picking carts and hand pallet trucks. Whether you need shelves with various load capacities or want more information on walkway or stairway construction – together we will plan and optimise your multi-tier shelving system!



BITO Multi-tier installation in use at »Kofferprofi«

PERFECT MATCH! WE HAVE THE RIGHT TYPE OF SHELF FOR YOUR PRODUCTS.

SPOTLIGHT ON A KEY COMPONENT OF MULTI-TIER SHELVING: BITO SHELVES

Our shelves are made for different load capacities and come in various lengths, depths and widths to provide you with the highest level of flexibility to store a wide and varying product range. The shelves are easily adjustable every 25 mm allowing you to store products of various sizes.



Take a closer look!

Read more about our multi-tier facilities on
www.bito.com/en-gb/multi-tier-installations/

YOUR SOLUTION IS JUST A FEW CLICKS AWAY:

shop.bito.com/da-dk

40 MM SHELVES

The BITO shelf with a height of 40 mm is characterised by its versatility. For optimum adaptation to your product portfolio, BITO 40 mm shelves can be supplied with a load capacity of 100 kg, 200 kg and 300 kg.

More information on shop.bito.com/da-dk



25 MM SHELVES

Our low-height shelves are only 25 mm high. They help you gain even more storage height and make maximum use of your storage space. 25 mm shelves are available with a load capacity of 70 kg or 150 kg.

More information on shop.bito.com/da-dk



MESH SHELVES

If you need a shelf that allows water and air to penetrate for added fire protection, the BITO GRID shelf is the ideal solution. It is ideal for environments where sprinkler systems must be installed. The shelves are also suitable for deep-freeze stores to ensure that goods are thoroughly cooled.

Apart from these benefits, wire shelves let light through, creating a brighter and more pleasant working environment.

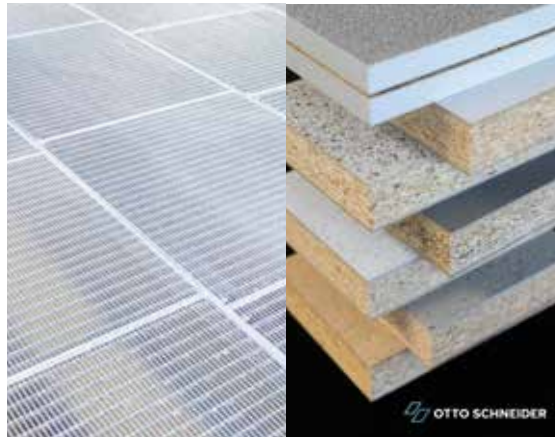


ADDITIONAL EQUIPMENT OPTIONS FOR MULTI-TIER INSTALLATIONS

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1. FLOOR DECKING

Select the right flooring for your application. Not sure what you need? We are happy to advise you on the range of chipboard and mesh deck options.

2. SHELF DIVIDERS

Dividers help you organise your stock. They slip on the shelf and can be easily moved to change the size of compartments. Dividers allow you to identify new products at a glance and clearly separate product lines, returns etc.

3. SPRINKLER SYSTEM

In order to help you comply with fire protection regulations, we prepare your facility with fixtures for installing a sprinkler system.

4. STAIRWAYS

Stairs provide access to the different floor levels.

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5. LIGHTING

Good lighting brightens up your workspace, keeps your employees safe and improves productivity.

6. PALLET TRANSFER POSITIONS EQUIPPED WITH AN UP AND OVER PALLET GATE

Pallet transfer positions on mezzanine floors enhance operational safety and

optimise your picking operations. We are pleased to equip your facility with the required number of transfer positions.

7. SPIRAL CHUTE

Spiral chutes help optimise the workflow between order picking areas and despatch zones by gently transferring products from one level down to the next.

8. LIFTS

Alternatively, if material needs to be moved from one floor to the next, lifts are the ideal solution. BITO will be pleased to advise you in detail at the planning stage should you choose to explore this option.

A GLOBAL PLAYER, STRONGLY ROOTED IN ITS REGION

Storage systems and material handling equipment made in Germany: We are a long established, medium sized family business, locally rooted, yet acting on a global scale. Ever since BITO was founded in 1845, our company headquarters including research & development as well as our production facilities have been located in our region. Our customer-oriented and innovative product range as well as our competence as full service provider make us one of Europe's leading intralogistics providers with currently more than 70,000 customers.

Since March 2007, BITO has been manufacturing shelving and pallet racking components in northern India for the Indian market as well as for neighbouring countries and the Middle East. BITO has formed a joint venture with the Indian firm Nilkamal Plastics Ltd. – Nilkamal BITO Storage Systems – to handle sales in these regions.

CLICK HERE FOR A LIST OF OUR LOCATIONS AROUND THE WORLD:

<https://www.bito.com/en-gb/about-us/our-global-network/>

<https://www.bito.com/da-dk/om-os/afdelinger-i-hele-verden/>

OUR CUSTOMERS ARE OUR PARTNERS

At BITO, we think that personalised and comprehensive customer support and direct communication are most important to provide exceptional and efficient customer service. Our dense network of regional sales representatives helps to ensure that a competent person is close to your location and can see you on short notice.

FIND YOUR LOCAL BITO REPRESENTATIVE:

info@bito.com

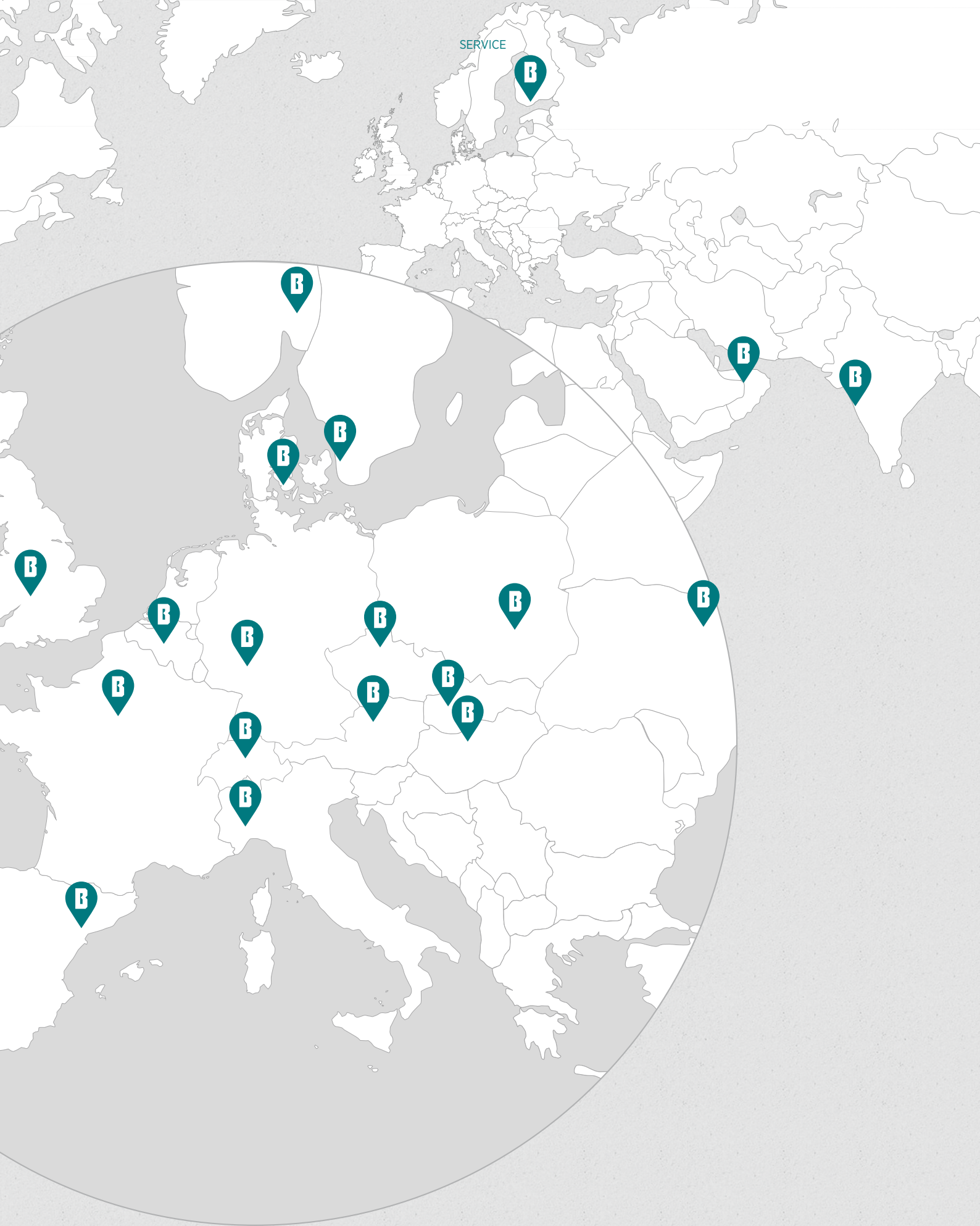
<https://www.bito.com/da-dk/kontakt/saadan-finder-du-os/>

FINDING THE RIGHT STORAGE SYSTEM FOR ANY INDUSTRY, ANY PRODUCT AND ANY BUSINESS.

We have gathered a selection of particularly interesting projects to demonstrate our ability to provide the ideal storage solution for the widely varying needs of different industries.

<https://www.bito.com/en-gb/success-stories/>

<https://www.bito.com/da-dk/referencer/>



MAXIMUM GAINS IN FLEXIBILITY.
OPTIMUM USE OF A BUILDING'S HEIGHT.
EFFICIENT ORDER PROCESSING.



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