



Cycle-Works

Josta 2-Tier Bicycle Racks



doubles the storage space in shelters

The market leaders in high capacity bicycle racks, offering space efficient and cost-effective cycle storage.

- Double the capacity of bicycle storage spaces
- Easy and safe to use - with a proven track record in the UK, Europe, Australia and the USA
- Space efficient
- Flexible and adaptable
- Neat and organised
- Individual racking – one bike per space
- Low maintenance
- Patented gripping system holds bike securely
- Maximises cycle parking spaces, and allows more car parking (if required) or creates space for other uses
- Achieves cycle-parking requirements in buildings with limited space - BREEAM compliant
- Framework can be coloured in any standard RAL colour

There are many unique features of the Josta racks, including the low, easy to use handles, the clever, patented way the bikes are held on the racks, and the general ease of use.

They are also designed for a long, tough life of constant heavy use, with low maintenance. However, the most important factor is always safety, and the Josta racks are very safe to use. This is a particularly important feature for heavy bikes.



before



after

Liverpool Street Station, London

London Liverpool Street station more than doubled its awkward bike parking in a limited space, from 80 too 189, with the Josta 2-tier racks.





Josta 2-Tier Bicycle Racks

The Josta 2-tier rack is a high capacity double decker bicycle rack.

Josta is the market leader for high capacity racking systems. The racks are popular across Europe, the USA and Australia. Many bike stations in Germany, Holland and the US specify the Josta rack as standard. Cycle-Works are the UK's exclusive distributor of the Josta 2-tier rack system and have extensive experience of cycle parking including shelters, compounds, racks and bike lockers.

The Josta 2-tier sites range from small open access installations of less than 80 bike spaces (e.g. Surbiton station) to large manned cycle parks of 7000 (e.g. Leiden, NL). They are also increasingly used in the basements of new office blocks and apartments (e.g. The prestigious Foster's Albion Riverside development in Battersea).

Why the Josta rack is the market leader in high capacity bike parking

This space efficient racking system stores one bike directly above the other. It therefore increases the amount of bicycles parked (or reduces the size of the site) by up to 50%.

The rack is custom made for specific sites to maximize the cycle parking capacity, and can be used in conjunction with other systems.

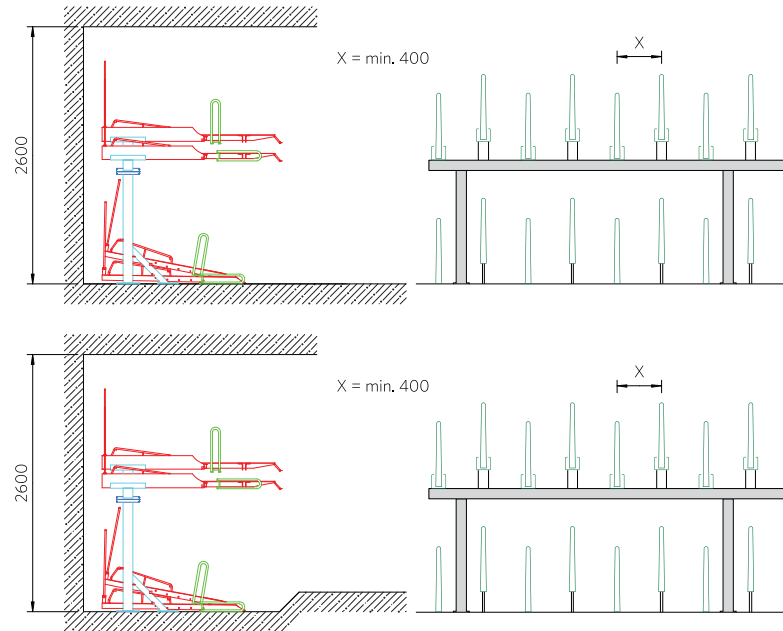
A special, patented gripping mechanism ensures that the bike cannot roll back and injure the user. We find that the top racks are usually filled first as users like to store their bike 'out of harm's way'. It is also easier to lock the bike when on the top rack. This usually leaves enough space in the bottom row for users who do not wish to use the top row.

Layout and Space Requirements

This racking system can be designed to fit your exact space. It can be used in conjunction with our other cycle parking systems to give the maximum capacity for your site.

Material options

These racks are usually galvanised with a red handle on the top racks, the framework can be powder coated in any standard RAL colour.



Site Planning

We are happy to give advice or assist you with your site planning. For this, please let us have a site plan (DWG or PDF format), clearly marked with all relevant dimensions, obstacles and access ways. Please see the next page for a guide on designing a site yourself.

Please contact us to obtain DWG files of the product layout.

Mounting/Installation

A level concrete base is usually required. This racking system is then installed by our team of experienced installers. Special supports for non-concrete sites with strong level surfaces can be supplied for a small additional charge.

Locking mechanisms and options

A security bar allows the cyclist to lock the bike frame and wheels with their own chain or D-lock. The front wheel and frame can also be locked easily.

Delivery

The current lead time is 4-8 weeks, but larger projects can require more than this. It is really beneficial if Cycle-Works are involved in the site planning as soon as possible.

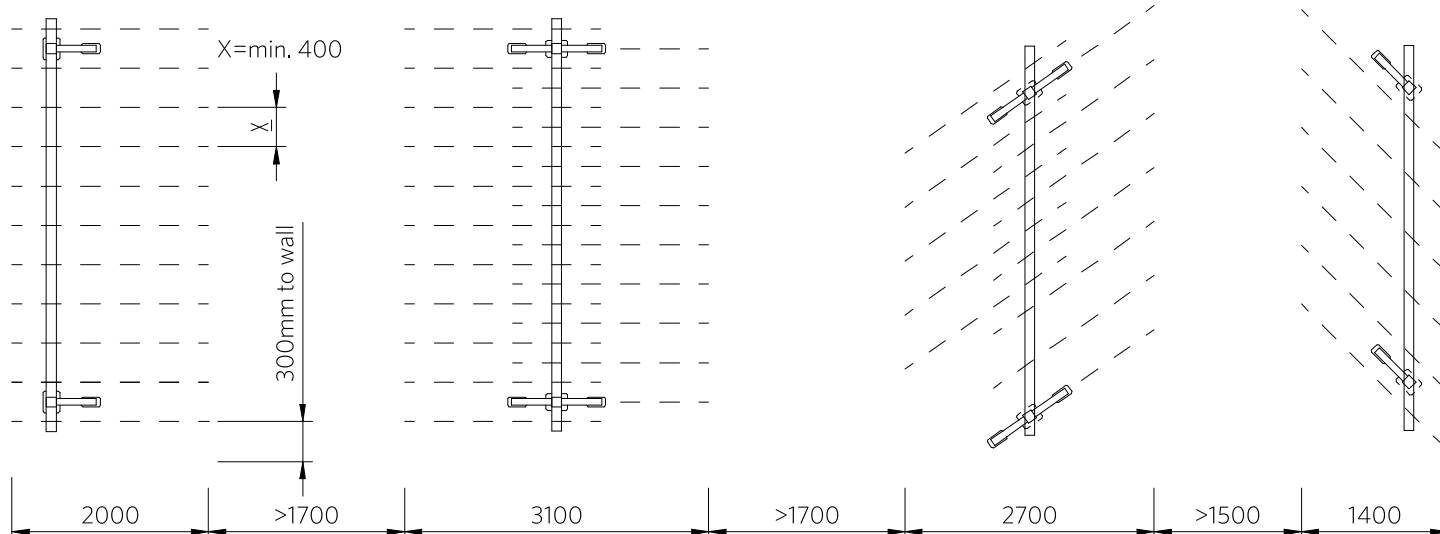
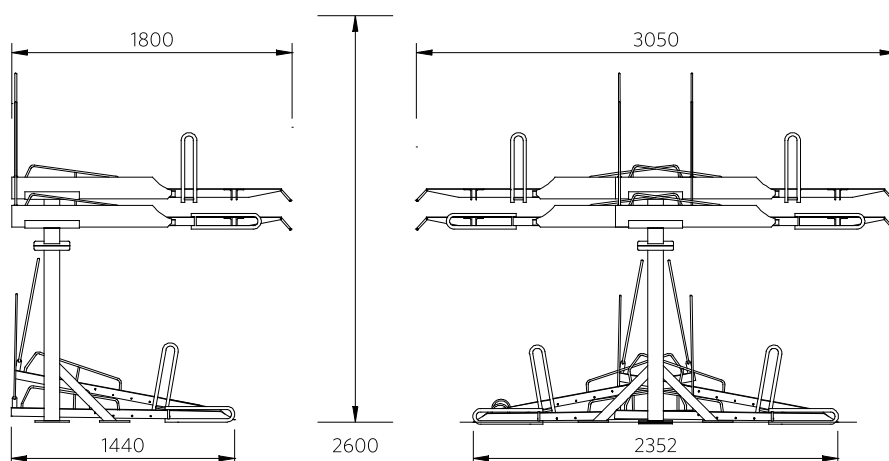
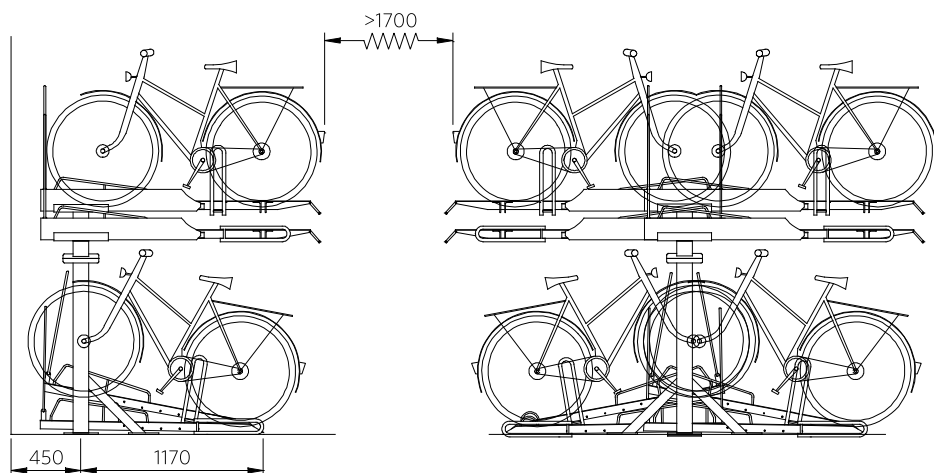




Josta 2-Tier Bicycle Racks

To design a site, please follow these guidelines

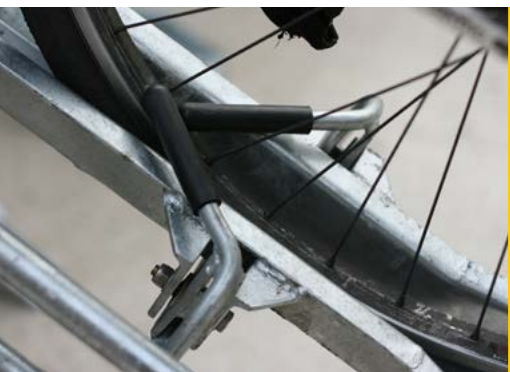
- The headroom is the most important factor for this racking system. A minimum of 2600mm is required for maximum capacity.
- Leave 300 to any adjoining side wall to give space for the handlebars.
- The racks are then spaced at a minimum of 400mm apart. We have found 450mm to be a good planning spacing, giving capacity as well as ensuring ease of use. 500mm apart is recommended where the site permits.
- Please allow 2000mm for the rack itself, plus a minimum of 1700mm in front for access. This access space can be used by the next row as well.
- The racks can also be installed from a central spine. For this option, please leave 2000mm for access on both sides. The 2-sided unit is then 3100mm wide.
- Racks can also be installed at a 45 or 55 degree angle to minimise space.





Josta 2-Tier Bicycle Racks

Innovative unique features



Wheel Gripping Mechanism

A special, patented gripping mechanism ensures that the bike cannot roll back and injure the user. As the bike is pushed into the rack the mechanism gently clamps around the front wheel. As you push the bike up the channel the front wheel is released and then back wheel is clamped securely into place.

The mechanism is very well designed and fabricated, so that if an extended rack containing a bike should be accidentally dropped the bike will be securely held in place, causing no harm to user or bike. The Josta 2-tier rack is the only 2-tier system to offer this type of safety feature.



Movable Security Bar

The Josta 2-tier rack comes with a movable high security galvanised mild steel security bar as standard. The bar is positioned at the rear of the rack in the optimum location to securely lock the rear wheel and bike frame.

When the rack is not in use the security bar is lowered down, lying parallel to the rack. It is the feature that allows the bike to be easily pushed up the channel without any obstructions for the pedals.



Pivoting Channel

The central channel that holds the bike is built around an extending, pivoting channel. It is this feature that utilises a 'sweet spot' for pivoting, allowing a full rack to be very easily lifted up and pushed back into place.

The strong box section, galvanised mild steel construction and precision engineering all ensure that this product has an extremely long and low maintenance life.

BREEAM

As with all our lockers, shelters and racks they can be used to help demonstrate compliance with BREEAM and achieve a high BREEAM rating when used in an appropriate situation.

[more info](#)

Code for Sustainable Homes

As with all our lockers, shelters and racks they can be used to help contribute towards gaining your 2 ENE8 Cycle Storage Credits when used in an appropriate situation, under the Code for Sustainable Homes.

[more info](#)

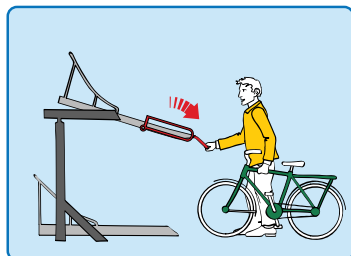




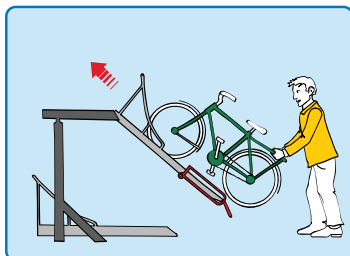
Josta 2-Tier Bicycle Racks

Store and retrieve your bike in four easy steps

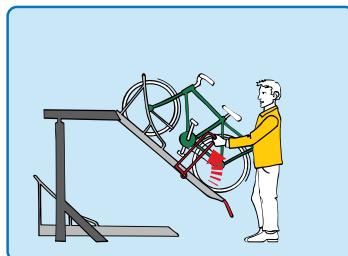
Loading your bike on to the upper racks



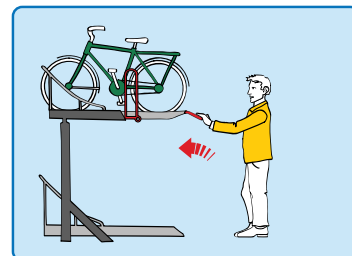
1. Pull down the upper rack.



2. Lift the front wheel onto the lowered rack and push forwards.

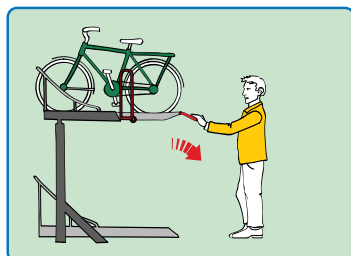


3. Raise the locking bar and lock the bike to it.

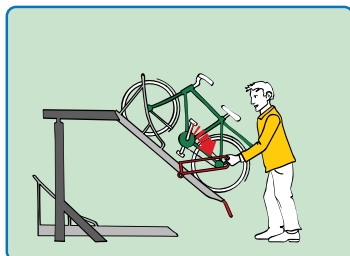


4. Lift the rack back into the horizontal position

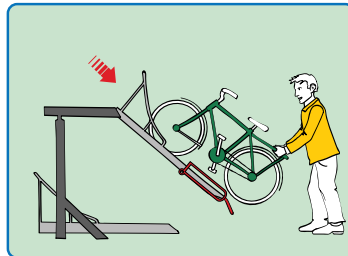
Unloading your bike from the upper racks



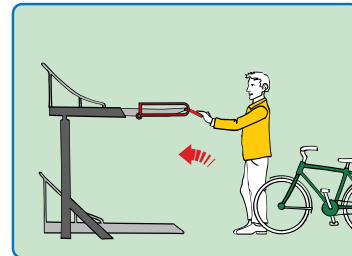
1. Pull down the upper rack, the bike will lower slowly towards you



2. Unlock the bike and lower the locking bar



3. Hold the bike and guide backwards towards you



4. Return the upper rack to its original position

Shelters

Cycle-works can also provide a range of quality shelters and compounds to complement the Josta 2-tier rack. These can be customised as required.

Shelter height

2700mm recommended
2600mm minimum



[more info](#)

Higher Kennet, East Croydon train station



[more info](#)

Higher Solent, Euston train station



[more info](#)

Medway Shelter, St George's Hospital



[more info](#)

Medway Compound, St George's Hospital



[more info](#)

Berlin Lockable Compound





Case Study:

H2 - Bike Run

H2 is a new modern concept in urban fitness, offering quality cycle parking, showers, changing facilities, spinning and a Gym, all in the heart of London.

Our Solution

Cycle-Works worked closely with the H2 team to produce a bespoke parking solution that would compliment the aims of the fitness hub. The parking had to fit into the low-level basement and be able to accommodate as much parking as possible in the 13,000 square foot old car park off Berwick Street in Soho.

The difficult site involved considerable planning and evaluation, before the ideal solution was established. This was for 250 bike spaces on Josta 2-tier racks, with another 42 spaces on vertical wall hooks on the side walls. The Josta 2-tier system is easy and safe to use, with minimal maintenance and a proven track record in the UK, Europe and the US. The vertical parking is ideal for the casual users on lightweight bikes, and is situated nearer the entrance.

The bike racks are monitored by CCTV and the hub includes 39 showers and 900 lockers, plus a bike shop and workshop, dry-cleaning and clothes-drying facility and a gym with spin classes.

The combination of high quality bike parking and other facilities has made it a successful and popular scheme, and one that is a model for other sites wishing to promote cycling in a city center.



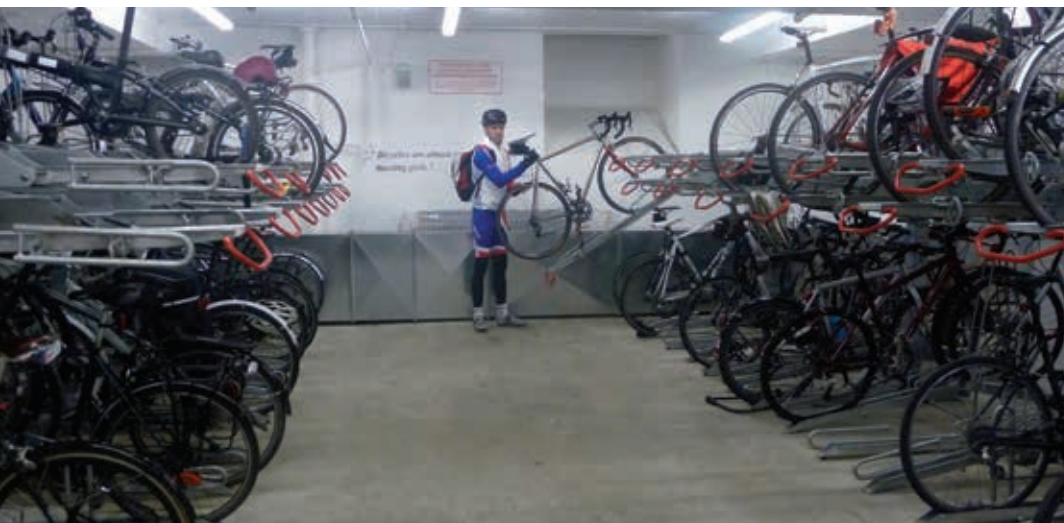
H2 Bike Run - Berwick Street, Soho



State of the art changing rooms with a modern industrial look.



Using contemporary building materials make this shower room stand out.



Josta 2-Tier racks in H2



Case Study:

Haywards Heath Cycle Hub

Haywards Heath has seen a dramatic improvement in its cycle parking with the opening of a new Cycle Hub in February 2012. The 'hub' parks 304 bikes, with 144 spaces outside, under shelters, and 160 spaces indoors, in the adjacent former car valet building that has been totally transformed, specifically to accommodate cycle parking in a secure and safe environment.

Our Solution

The acclaimed Josta 2 tier rack parking system was installed in order to maximise the number of parking spaces in the assigned area and due to their safe, easy to use and durable design. Outside, 144 spaces were provided under two, 15 metre long, higher Kennet shelters. The shelters are covered by CCTV (beamed back to Southern's 24hr control in Croydon) and are well lit to offer the very best security. For increased peace of mind, the inside parking is accessed by key-card, and is also covered by CCTV.

The Josta frames have been customised in a stylish black powder coating, continuing the theme of the cycle parking at other stations on the Southern Railways network that Cycle-Works have installed, such as Hove (117 spaces), Sutton (50 spaces) and Horsham (54 spaces).

Cycle-Works completed Phase 1, the outside parking, in early December 2011 and most of the available spaces were being used before the indoor parking was opened. Phase 2 was finished just before Christmas 2011; well in time for the official opening in February 2012.

Southern Rails Project Manager, Paul Best said "Now we can provide a fantastic facility for the growing numbers of cyclists and motorcyclists who are choosing to leave the car at home and get to the station in a much more sustainable way."



Southern MD Chris Burchell, Cycle-Works MD Peter Davenport and Haywards Heath Town Mayor John Sabin



144 Josta 2-Tier Racks under the Cycle-Works Kennet Shelter



The Shelter is covered by 24 hour CCTV and features internal lighting



144 Josta 2-Tier Racks under the Cycle-Works Kennet Shelter



Cycle-Works Ltd
2 Rances Way
Winchester SO22 4PN

Telephone: 023 9281 5555
Fax: 023 9281 5544
Email: info@cycle-works.com



Case Study:

Halifax Bank of Scotland, Bristol

HBOS in Bristol had a real demand from its employees for better cycling parking facilities. They needed to increase the number of bikes they could park and also offer a location for cyclists to store their gear.

Our Solution

By installing the space-saving Josta 2-tier racks, we have been able to increase the cycle parking capacity in the underground car park at HBOS in Bristol to 176 bike spaces.

We removed most of the existing Sheffield type racks and provided several rows of 2-tier racks, which resulted in neat and organised double-decker parking.

The heavy use of the racks shows that this installation meets the high demand for bike parking in this urban area.



Secure Cycle Parking HBOS



A secure area for gear to be stored.



The 2-tier sits right alongside the car park bays.



The versatile and customisable Josta system really puts every available inch to good use.





Case Study: **Hove Station**

The first double deck cycle racks on the Southern Railways network were installed at Hove Station in December 2010. The new 2 Tier System holds 117 cycles in the same footprint as the old, overcrowded sheffield stands, nearly doubling the cycle parking capacity. Southern Railways selected Cycle-Works to supply and install Josta Doubleparker racks as they recognised that these were the best available – in terms of safety, ease of use and durability.

Our Solution

The rack was funded by Network Rail with Southern Railway and Brighton & Hove Council to create a superb new facility for Southern's cycling passengers. Cycle-Works worked closely with the project stakeholders throughout the design period, drawing on their unparalleled experience in delivering station cycle parking. The racks were customised by powder coating in black to complement the historic station buildings and delivered to time and budget.

Southern's Project Manager, Paul Best said: "We are delighted with the new rack. It's innovative in its design and is well used by our cycling passengers. They have commented on how pleased they are with the new parking and, as a result, we are now looking at other stations where this kind of facility would be of benefit."

Robert Sue, sponsor at Network Rail, said: "The new bike racks are safe, secure and easy to use. This is a great example of the rail industry's commitment to improving cycling facilities at stations across Britain, which we hope will encourage passengers to combine these environmentally-friendly forms of transport."

The installation at Hove includes 10 TfL style sheffield stands manufactured from highly durable polyurethane reinforced with a steel core. These stands will never require painting and will never damage the frame of a bike parked against them.



Paul Best of Southern Railways officially accepts the new racks



The Josta Racks are safe and easy to use



The bike park at Hove



The RidgeRacks design incorporates a ridged top to reduce lock movement



Cycle-Works Ltd
2 Rances Way
Winchester SO22 4PN

Telephone: 023 9281 5555
Fax: 023 9281 5544
Email: info@cycle-works.com



Case Study:

The Bike Park - Leicester Town Hall

Located in Town Hall Square in the centre of the City of Leicester, the underground Bike Park has recently been officially re-opened after a £150,000 refurbishment project by Leicester City Council who took over the management from Groundwork Leicester.

The Bike Park is a one-stop shop for cyclists, incorporating secure cycle storage, showers and toilets, repairs, sales, hire and general advice.

Leicester City Council awarded Cycle-Works the contract to modernise and update the cycle parking area, ideally getting an increase in the number of spaces.

Our Solution

The Bike Park is situated in a number of rooms, of varying shapes and sizes, below the old Town Hall in the heart of the city.

Following an initial site visit and consultation on the plans, the best use of space was recommended. In total, 114 of the safe and easy to use Josta 2-tier racks were installed across the four rooms along with 19 Josta wall hooks to add increased capacity in areas with height restrictions or other issues.

Cycle-Works team worked on one room at a time; allowing the other rooms to carry on being used to park customers bikes.

Leicester City Council Cycling Co-ordinator, Andy Salkeld says "The number of people cycling in Leicester has more than doubled in the last 5 years and there is a clear demand for facilities to support this. The Bike Park is ideally located and, with major refurbishment, is set to become an even greater asset to the city."



The Bike Park is located under the Town Hall for ease of use.



The Josta 2-tier is perfect for this low level environment.



The Josta 2-tier is right at home on this parquet flooring.



A workshop is integrated into the Bike Park as well as showers, toilets, sales, hire and general advice.





Case Study: **Merseyrail**

Cycle-Works has installed a total of 824 secure cycle parking spaces at eighteen railway stations in the Merseyside area. The new cycle parking facilities are all located in secure compounds with electronically controlled access. The scheme also offers a cycle hire and repair facility at Southport station.

Our Solution

Funding for the scheme was secured by Merseyrail and Merseytravel in a successful bid to become a UK Cycling Demonstration Train Operator in 2009. The cycle parking racks were installed by Cycle-Works in partnership with building services provider Strategic Team Group. They use a 2-tier system supplied by German manufacturer Josta to double the capacity.

The Josta 2-tier rack is a common sight at railway stations across Europe, for example Leiden in Holland has Josta racks with a capacity of around 4000 bikes. It is also becoming popular with businesses where space is often at a premium. The Josta system is widely considered to be the best available for safety, security and ease of use. Cycle-Works works has also installed 2-tier parking at stations across the UK including London Euston, Liverpool Street, Glasgow Central and Edinburgh Waverley.

Commenting on the new facilities, Strategic Team Group's business development director, Charles Tweed said: "We have built a strong reputation over the last eighteen months working in the rail sector and the installation of these facilities for cyclists marks a significant milestone. We are proud to be playing such a crucial role in adding another dimension to rail travel."

The new facilities have been installed at the following Northern and Wirral Line Stations: Southport, Birkdale, Hillside, Ainsdale, Freshfield, Formby, Hightown, Hall Road, Blundellsands & Crosby, Birkenhead, Green Lane, Rock Ferry, Bebington, Port Sunlight, Spital, Bromborough, Eastham Rake and Hooton.



Secure Cycle Parking at Hooton.



Blundellsands and Crosby.



The cycle hire scheme at Southport uses 2-tier parking too.



Cycle storage at Rock Ferry.



Cycle-Works Ltd
2 Rances Way
Winchester SO22 4PN

Telephone: 023 9281 5555
Fax: 023 9281 5544
Email: info@cycle-works.com



Cycle-Works Ltd

The Cycle Storage Specialists

cycle-works.com • 023 9281 5555

Case Study:

Network Rail

Cycle-Works has delivered high-profile installations of two-tier cycle parking at four major stations operated by Network Rail. These stations - London Liverpool Street, London Euston, Edinburgh Waverley and Glasgow Central - are amongst the busiest in the UK.

Our Solution

Cycle-Works is the exclusive UK supplier of the Josta 2-tier rack. Over 500 Josta two-tier cycle parking spaces have been installed across these four Network Rail stations.

The installations have transformed cycle parking provision at these four stations. Gone are the cramped, overcrowded and hard to access sheffield stands and in their place are rows of neat, organised two tier racks.

Robin Gisby, Director of Operations and Customer Services at Network Rail, said about the Liverpool Street installation: "The new double-decker racks are safe, secure and simple to use giving more people the cleaner, greener option of cycling to and from Liverpool Street. We're pleased to have worked with TfL on this and the recent project at Euston, and will continue to explore ways to increase the provision of cycle racks at stations across the Capital and beyond."



Josta 2-Tier Racks at London Liverpool Street



Edinburgh provides 60 2-tier spaces on platform 11.



Glasgow Central provides 80 2-tier spaces on platform 15.



London Liverpool Street before and after installation of 2-tier racks.



The external racks at Euston are in a Cycle-Works shelter.



Link-up ID: 26039

Cycle-Works Ltd
2 Rances Way
Winchester SO22 4PN

Telephone: 023 9281 5555
Fax: 023 9281 5544
Email: info@cycle-works.com



Case Study: **Strata SE1**

Strata SE1 is the tallest residential building in central London. It comprises 408 apartments in two architecturally prestigious buildings, both with space for shops and restaurants below. Sustainability is a key theme in this development, which is the first building in the world to feature integrated wind turbines. Therefore a comprehensive, high quality cycle parking solution was an essential feature.

Our Solution

In order to incorporate sufficient cycle parking to serve the residents of the development it was essential that the cycle parking solution occupy the minimum floor area. For this reason we supplied a solution based on the Josta Doubleparker, the market leading two tier rack.

Two-tier racks fit double the amount of cycle parking into a given area and the Josta Doubleparker is the original and best. In operation the racks are safe, secure and easy to use for any cyclist. The clever design minimises the effort to lift the upper racks and incorporates an ingenious, patented clamp to securely hold the bike.

The two-tier racks are complemented by wall hooks and rounded-A racks. The wall hooks take advantage of unused wall space to create places for cycles to be hung vertically whilst the rounded-A racks enable secure bike parking in areas with too little headroom for two tier racks.



The bike park at Strata has two-tier parking for 302 bikes.



Rounded-A racks still provide an effective solution.



Josta Wall hooks are used to utilise all the available space.



Every inch was used to good effect.





Case Study: **Surbiton Station**

The Josta 2-Tier parking installed at Surbiton station were a major factor in it winning the London Transport 2005 'Rail Station of the Year' award.

Our Solution

The cycle parking was upgraded in 2004 with the provision of 82 two tier Josta racks supplied and installed by Cycle-Works. These racks more than doubled the internal parking provision and have proved very popular with station users.

The Josta rack was the first commercially available 2-tier cycle parking rack. It has become the rack of choice for large scale cycle parking across the world and is by far the most refined and reliable rack available today. The Josta racks are safe, secure and easy to use.

The outside cycle parking was improved with the provision of more covered cycle parking spaces.

The scheme was a joint project between the Royal Borough of Kingston and South West Trains and was sponsored by TfL's Cycling Centre of Excellence.

The cycle parking at Surbiton Station has recently been further improved by the erection of a secure compound enclosing the cycle parking. The secure compound is accessed via swipe cards which are available from the station in return for a one-off deposit of £25.

All the cycle parking is in high demand and demonstrates that the provision of quality cycle parking can lead to an increase in the numbers of people cycling.



Josta Racks at Surbiton



The 2-Tier Racks are all covered



Any bike can use the Josta system



Cycle parking at Surbiton is now enclosed in an electronically locked compound.



Cycle-Works Ltd
2 Rances Way
Winchester SO22 4PN

Telephone: 023 9281 5555
Fax: 023 9281 5544
Email: info@cycle-works.com



Case Study:

University of Leicester

The University of Leicester has become the first site in the UK offering the Josta 2 tier DPG (Double Parker Gas-assisted bicycle parking). As part of its extensive renovation process, the University selected Cycle-Works Ltd to install 304 Josta 2-tier bicycle racks in the state-of-the-art, refurbished David Wilson Library Podium underground bike store.

The addition of the underground bike store will greatly enhance the bicycle parking facilities at the Central Campus and is in line with the promotion of cycling in Leicester where the Town Hall has also increased its dedicated parking with the Josta 2 tier system.

Our Solution

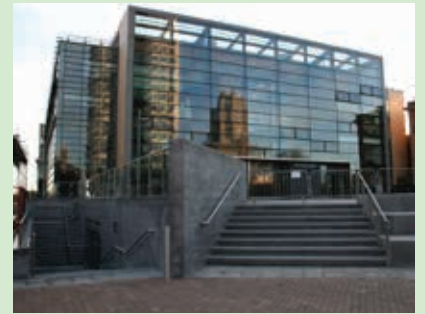
The Josta 2-tier racks are set out in four rows to make the most of the available space and where access is through two different channels thus avoiding any congestion when parking. The facility is equipped with lockable sliding entrance doors where staff and students gain entry using swipe cards. In addition, CCTV monitoring has been installed for enhanced security.

This new gas-assisted model of the Josta 2-tier system makes it even more comfortable to use than the acclaimed, traditional Josta double-parking racks. The strong gas strut is built into the middle of the top rack in a unique design that allows virtually anyone to handle it with ease.

Sandra Lee, University of Leicester's Sustainable Travel Officer, said: "Whilst the Podium in front of the Library in the heart of Campus was being updated, the University took the opportunity to make great use of the space by developing this ground-breaking underground store for over 300 bikes. This new facility is a fantastic addition to our cycle and other sustainable travel facilities and demonstrates the University's commitment to reducing the environmental impact of our travel.

We hope that this store will encourage even more staff and students to cycle to our Campus as their bikes are protected all day whilst their owners work and study."

<http://goo.gl/rwvl3>



The David Wilson Library is a landmark building in tune with the aspirations of the University.



Wheeling ramps have been integrated into the design of the entrance.



The Josta 2-tier is ideally suited for sites where large numbers of bikes need to be parked.



The new gas-assisted lifting makes an easy job even easier.



Cycle-Works Ltd
2 Rances Way
Winchester SO22 4PN

Telephone: 023 9281 5555
Fax: 023 9281 5544
Email: info@cycle-works.com



Case Study:

Wimbledon Station

Wimbledon Station had a common problem faced by many busy stations today. It had a real need for effective cycle parking that was space efficient and able to handle large amounts of traffic. The solution had to be high capacity as well as maximum security as crime was a ever increasing problem.

Our Solution

What used to be dark and gloomy bike storage on Wimbledon Station's overbridge has now been transformed into a clean and modern bike park that offers secure parking for 86 bicycles.

After a general site refurbishment, Cycle-Works installed 54 2-tier racks and a row of 16 Rounded A bicycle racks.

The space-efficient 2-tier rack stores one bike directly above the other. It is custom-made for specific sites to maximize the cycle parking capacity, and is easy and safe to use, providing a neat and organised cycle parking solution. A special gripping mechanism ensures that the bike cannot roll back and injure the user.

In general, the top racks are usually filled first as users like to store their bike 'out of harm's way'. This usually leaves enough space in the bottom row for those who do not wish to use the top row. In addition, a row of rounded A style toast racks also offers more traditional bicycle parking. This rack holds the bike well, with the top of the rack between the saddle and front stem which keeps the bike stable. The user is encouraged to lock the bicycle frame and front wheel to the rack. In addition, the horizontal bar makes the rack much less susceptible to cutting through and so provides enhanced security.



The Josta 2-tier high capacity rack



A detail of the integrated locking bar put to good use.



Rear view of the Josta 2-tier, highlighting the easy access wheel channel.



The traditional Rounded A is still a good option in the right environment.

