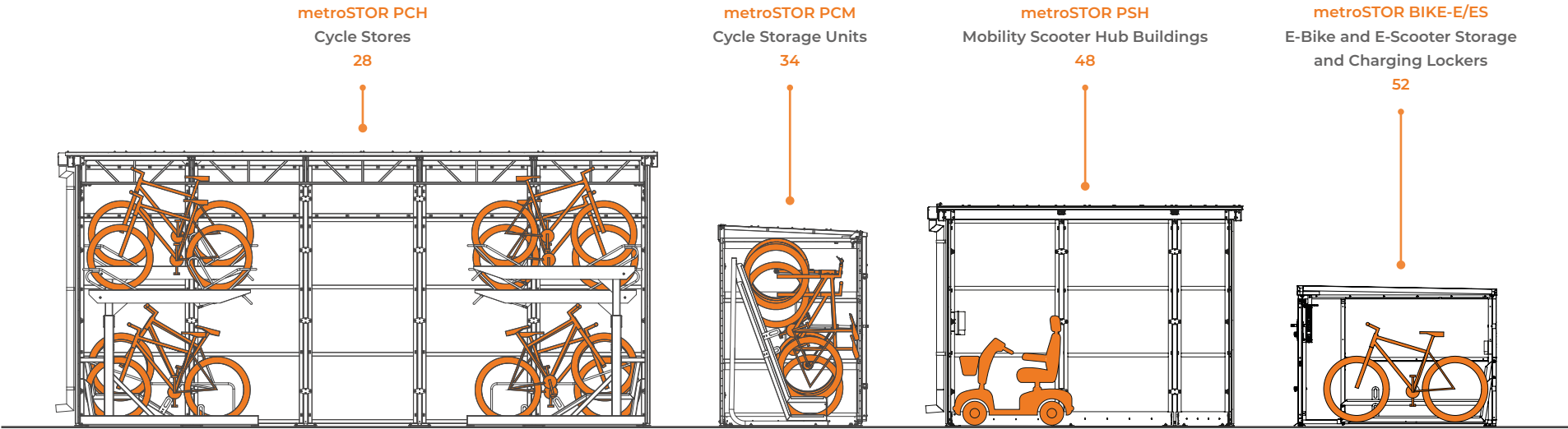
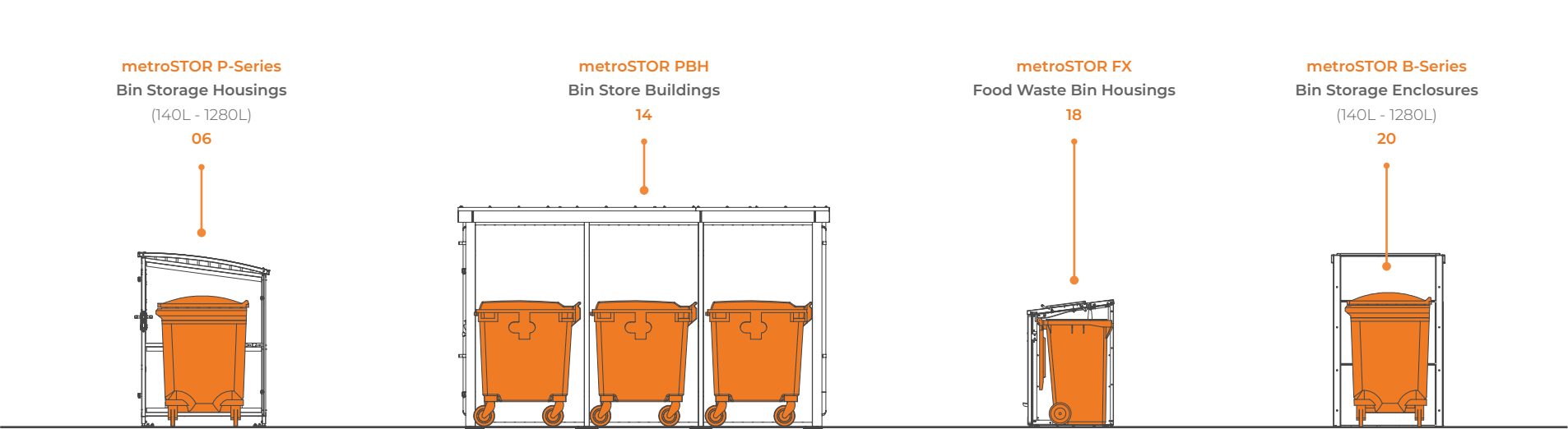




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Specifiers

metroSTOR are partners with NBS, which means you can find **our products on NBS Source**.

NBS Source is a free-to-use construction product platform that allows you to quickly and easily find, select and specify our products. Boasting enhanced product data in NBS standardised specification format and a range of content, from case studies to third party certificates; NBS Source gives you the detailed information you need to make informed product decisions.

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Product Case Studies
See metroSTOR product solutions in action

Product Datasheets
download with detailed product information



metroSTOR Resources

Our goal is to make it simple and straightforward for you to select the right solution for your specific requirements and to save you time designing bespoke structures unnecessarily. metroSTOR products are designed for ease of project inclusion, and are easily configurable, with custom designs available to fit your development perfectly.

We are continually developing our range of easy-to-use free resources to assist you, and our technical team is on hand to answer any queries you may have – we always welcome the opportunity to discuss projects you are working on.

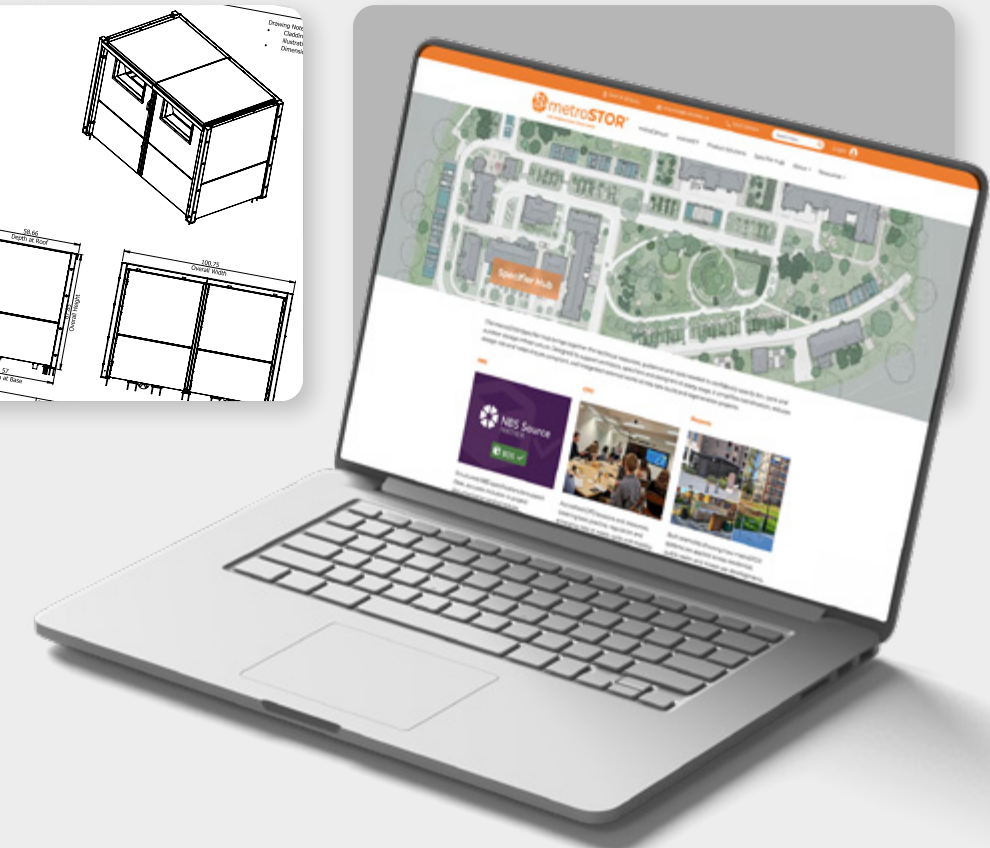
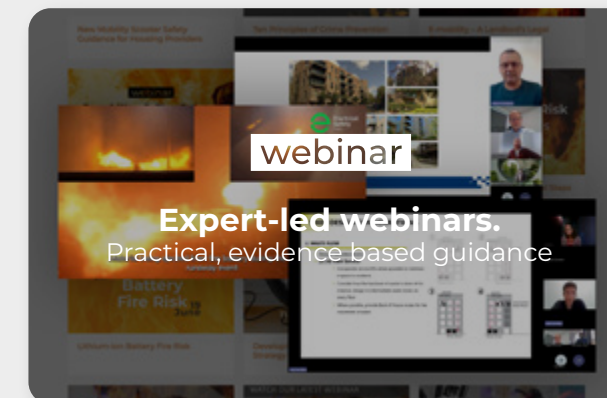
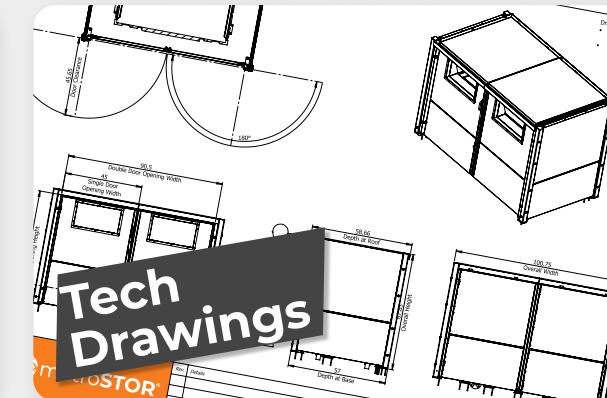
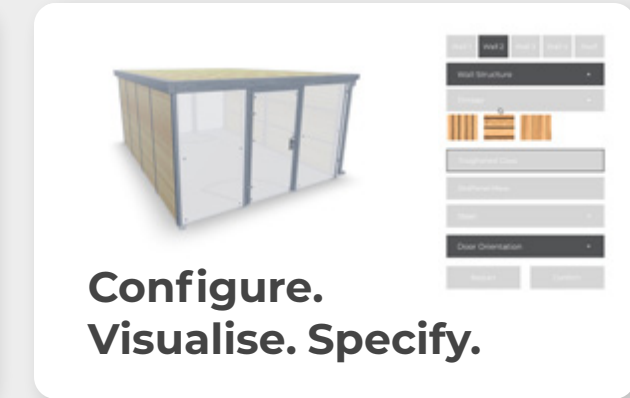
Specifier Hub

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metroSTOR Bin Stores

metroSTOR waste and recycling storage solutions are an essential tool in the management of waste-streams, helping to increase recycling successes while reducing associated fire risk, litter, fly-tipping and antisocial behaviour.

Bin stores have historically been located out of the general line of sight, and therefore tend to attract crime and antisocial behaviour. metroSTOR bin stores can be located in prominent positions without unacceptable visual impact or fire risk, creating a facility where users can feel safe.

An essential reduction in fire risk is achieved with metroSTOR products that are designed to secure waste and recycling bins away from dwellings, ensuring that fire is contained in the event of a bin being set alight. Wheelie bin storage solutions are available in a range of enclosed storage units, recycling centres and bin room buildings.

The range is also designed to support efficient specification and coordinated integration within external works packages.

Waste and Recycling Bin Storage Solutions

Safe and easy disposal of waste is a planning requirement for all new developments, whether residential, commercial, or industrial. Many existing properties do not have facilities that are suitable for current volumes, segregation requirements, and collection frequencies.

The management of communal facilities or public access, e.g. flats and streets, can be challenging since residents do not have the luxury of daily or constant site management, and external interference is more likely. By making waste and recycling hubs accessible to everyone, we can achieve numerous economic, environmental, and social gains.

Fire Safety

There are estimated to be 50,000 bin fires attended by FRS's across the UK every year. Some of these arise from internal refuse chutes and bin chambers which are poorly maintained or no longer fit for purpose, others from bins stored externally without sufficient thought given to their location and the specification of any store.

Putting the bins too close to an opening, such as a door or window, can result in the fire spreading quickly, putting lives at risk. The Government advice on FRA's for Premises with Sleeping Accommodation recommends that bins are secured, so they can't be pushed up against dwellings and set alight. The CFPA-E guidance describes the method for calculating safety distances.



How do metroSTOR bin housings reduce fire risk?

metroSTOR bin housings reduce the risk of fire by securing bins at a safe distance from dwellings. This distance varies according to the fire load, and if it can't be achieved due to a lack of space, then the bins should be secured with an enclosure giving 30 minutes fire resistance.

metroSTOR bin housings also reduce the fire load around dwellings by eliminating side-waste and fly-tipping, which apart from being unsightly, an environmental health hazard and costly to remove, are also potential triggers for arson.

Fire retardant cladding options can be specified to reduce risk where 6m building clearance cannot be achieved for Bin Store Units and Bin Room Buildings.

These options support architectural teams in meeting fire safety requirements during project design.

How do I calculate the safety distance?

The safety or separation distance varies according to the fire load. The most reliable method of calculating this is to take the width of the bins facing the dwelling and add 2.5m. This safety distance is measured from any point at which fire could enter the dwelling, including door and window openings, extractor fans and boiler flues, and any combustible elements.



metroSTOR P-Series
Bin Storage Housings (140L - 1280L)

With over 10,000 units currently in operation, metroSTOR P-Series Bin Storage Housings are a well established, tough and versatile outdoor bin storage solution. By enclosing wheeled bin containers and controlling user access, the systems effectively increase recycling rates while reducing fire risk and issues associated with side waste.

With a design platform that affords flexibility across a number of key areas, metroSTOR Bin Storage Housings accommodate a wide range of wheeled bin containers. PBM units are designed for four wheeled bins with capacities from 660L to 1280L, while PBL units provide secure storage for two wheeled bins from 140L to 360L, stored in an open position. Internal features such as adjustable space bars and internal deflector plates ensure the correct and efficient containment of waste.

Bespoke hole patterns incorporate an assured sense of visual interest, with the potential for that characteristic to be further enhanced with additional options for green roof designs. This attractive feature showcases environmental scrutiny and encourages an active contribution towards biodiversity, a rising consideration in design.

Reduced fire risk is central to metroSTOR design and where site constraints limit the positioning of bin housings outside of the CFPA recommended six metre distance, the units can be specified with fire resistant enclosure options.

For specifiers and designers, metroSTOR Bin Housings support efficient project coordination through available CAD models, downloadable technical information and a clearly structured specification format, helping ensure compliant, consistent bin storage integration across external works schemes.

The PBM and PBL product ranges are structured to align with specifier workflows, with variants grouped by bin type and capacity and dimensional increments designed to support early stage spatial planning. This makes it straightforward to coordinate storage layouts with architectural design intent and collection vehicle movements.



Model Variants

metroSTOR PBL Bin Housings enclose two wheeled bins up to 240L capacity, controlling access with recyclable type door aperture. Integrated shelving for the storage of recycling boxes within the unit is available as an option.

The reduced dimensions of **metroSTOR PBLN** Bin Housings enclose 140L capacity wheeled bins to maximise space efficiency. Whilst **metroSTOR PBLX** Bin Housings accommodate the larger capacity 360L wheeled bins.

metroSTOR PBM accommodates 4-wheeled bin containers from 660L to 1280L capacity for controlled front loading through a waste stream specific aperture. The enclosed design enables bin container lids to remain in the open position without risk of wind blown litter. The **metroSTOR PBM RL** allows waste to be loaded from one side and emptied from the other.

PBMN is designed to accommodate both plastic and metal designs of 4-wheeled bin containers up to 660L capacity in a compact footprint.

PBMC provides a specially designed housing for 'Chamberlain' 720L and 940L metal four-wheel bins. The outdoor bin store is also suitable for most legacy 'Paladin' and other metal chute bins. Where bin chutes are still in use, these units are an excellent solution for storing bins as they are rotated out of the chutes between collections.

PBMT is specifically dimensioned to house 1100L and 1280L metal four-wheel bins manufactured by Taylor Continental, which have a reduced footprint in comparison to many plastic bins of the same capacity. The space saving offered by the metroSTOR PBMT can make a big difference on a tight urban site.

PBML is designed to allow the 'end on' storage of 660L four-wheel bins, providing an off-the-shelf solution where available width on site precludes the use of the standard metroSTOR PBMN.

Touch Free

Bins are stored in an open position allowing touch free deposit of rubbish/ recycling through the open apertures

Waste Stream Control

Front-load enclosure design with signage specific recycling and apertures

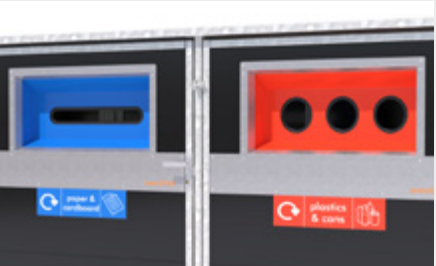


Varying Capacities

Designed to accommodate 4 wheeled bin containers with capacities from 660L to 1280L

All-Steel Construction

Welded frame assemblies, tough multi-stage colour coating



Waste Stream Apertures

Reduce contamination of waste streams with a range of signage specific apertures, available as a factory installed option or as a retrofit.

Green Roof Option

Two green roof options are available: sedum only, or a combination of sedum and wildflowers. Learn more about Green Roof structures on page 54.

Product Capacity & Dimensions

PBL 140L - 240L



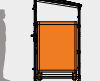
Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBL 1	1x 140L-240L	900	760	1490	1 Door
PBL 2	2x 140L-240L	900	1380	1490	2 Doors
PBL 3	3x 140L-240L	900	2040	1490	3 Doors
PBL 4	4x 140L-240L	900	2660	1490	4 Doors
PBL 5	5x 140L-240L	900	3320	1490	5 Doors
PBL 6	6x 140L-240L	900	3940	1490	6 Doors

PBM 660L - 1280L



Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBM 1	1x 660L-1280L	1390	1590	1840	1 Door
PBM 2	2x 660L-1280L	1390	3080	1840	2 Doors
PBM 3	3x 660L-1280L	1390	4570	1840	3 Doors
PBM 4	4x 660L-1280L	1390	6060	1840	4 Doors
PBM 5	5x 660L-1280L	1390	7550	1840	5 Doors
PBM 6	6x 660L-1280L	1390	9040	1840	6 Doors

PBMC 720L - 940L Chute Bins



Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBMC 1	1x 720L-940L	1220	1200	2110	1 Door
PBMC 2	2x 720L-940L	1220	2320	2110	2 Doors
PBMC 3	3x 720L-940L	1220	3430	2110	3 Doors
PBMC 4	4x 720L-940L	1220	4540	2110	4 Doors
PBMC 5	5x 720L-940L	1220	5650	2110	5 Doors
PBMC 6	6x 720L-940L	1220	6760	2110	6 Doors

PBLN 140L



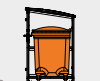
Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBLN 1	1x 140L	800	670	1500	1 Door
PBLN 2	2x 140L	800	1190	1500	2 Doors
PBLN 3	3x 140L	800	1750	1500	3 Doors
PBLN 4	4x 140L	800	2280	1500	4 Doors
PBLN 5	5x 140L	800	2840	1500	5 Doors
PBLN 6	6x 140L	800	3370	1500	6 Doors

PBM RL 660L - 1280L Rear Load



Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBM RL 1	1x 660L-1280L	1390	1590	1840	1 Door
PBM RL 2	2x 660L-1280L	1390	3080	1840	2 Doors
PBM RL 3	3x 660L-1280L	1390	4570	1840	3 Doors
PBM RL 4	4x 660L-1280L	1390	6060	1840	4 Doors
PBM RL 5	5x 660L-1280L	1390	7550	1840	5 Doors
PBM RL 6	6x 660L-1280L	1390	9040	1840	6 Doors

PBMT 1100L - 1280L Taylor Continental Bins



Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBMT 1	1x 1100L-1280L	1250	1490	1840	1 Door
PBMT 2	2x 1100L-1280L	1250	2880	1840	2 Doors
PBMT 3	3x 1100L-1280L	1250	4270	1840	3 Doors
PBMT 4	4x 1100L-1280L	1250	5660	1840	4 Doors
PBMT 5	5x 1100L-1280L	1250	7050	1840	5 Doors
PBMT 6	6x 1100L-1280L	1250	8440	1840	6 Doors

PBLX 240L - 360L



Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBLX 1	1x 240L-360L	1060	760	1490	1 Door
PBLX 2	2x 240L-360L	1060	1380	1490	2 Doors
PBLX 3	3x 240L-360L	1060	2040	1490	3 Doors
PBLX 4	4x 240L-360L	1060	2660	1490	4 Doors
PBLX 5	5x 240L-360L	1060	3320	1490	5 Doors
PBLX 6	6x 240L-360L	1060	3940	1490	6 Doors

PBMN 660L



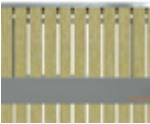
Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBMN 1	1x 660L	1040	1590	1850	1 Door
PBMN 2	2x 660L	1040	3080	1850	2 Doors
PBMN 3	3x 660L	1040	4570	1850	3 Doors
PBMN 4	4x 660L	1040	6060	1850	4 Doors
PBMN 5	5x 660L	1040	7550	1850	5 Doors
PBMN 6	6x 660L	1040	9040	1850	6 Doors

PBML 660L End Load

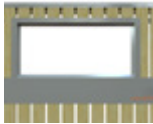


Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBML 1	1x 660L	1490	910	1850	1 Door
PBML 2	2x 660L	1490	1690	1850	2 Doors
PBML 3	3x 660L	1490	2520	1850	3 Doors
PBML 4	4x 660L	1490	3300	1850	4 Doors
PBML 5	5x 660L	1490	4110	1850	5 Doors
PBML 6	6x 660L	1490	4880	1850	6 Doors

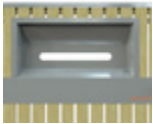
Apertures



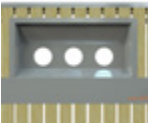
Solid Door
No Aperture



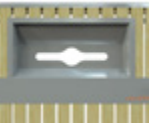
Large Bag



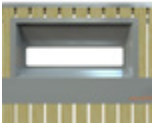
Individual Item—Slot



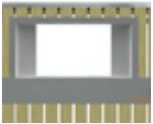
Individual Item—
Hole



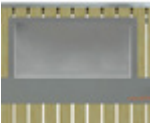
Individual Item—
Mixed



Small Bag



WEE Equipment
Recycling



Blanking Plate

Locking Systems



Latch + Battery
Code Lock



Latch + Eurocylinder
Lock



Slam Latch +
Eurocylinder Lock



Slam Latch +
Triangle Key Lock



Latch Only



Slide Bolt + Padlock

Cladding & Finish Examples



Firenze
Anthracite Grey
/ FR



Firenze Nordic
Night Black
/ FR



Firenze Leaf
Green / FR



Firenze Walnut
Brown / FR



Firenze Colour
Powder Coat



ForestPanel SW
Slat Colour



ForestPanel SW
Slat / FR



ForestPanel
SW TGV FR



Firenze
Freestyle
Surface Design



Firenze
Freestyle
Surface Design
FR



Firenze Design
Wrap



Firenze
Design Wrap
Illustration



metroSTOR Bin Storage Housings Case Study
Sighthill, Glasgow

Project	Sighthill Transformational Regeneration Area
Client	Transforming Communities: Glasgow
Architect	Collective Architecture Ltd
Contractor	Keepmoat Homes
Scope	metroSTOR PBM Bin Storage Housings metroSTOR PCM Cycle Storage Units metroSTOR ST Bike Stands

The Sighthill Transformational Regeneration Area in North Glasgow is the UK’s largest regeneration development outside of London. The £250 million project delivering almost 1000 new and refurbished homes is being delivered by Transforming Communities: Glasgow, a strategic partnership between Glasgow City Council, Glasgow Housing Association and the Scottish Government.

The original Sighthill estate was built in the late 1960s and was once home to over 7,500 residents. However, by the 1980s it was labelled a sink estate eventually leading to the 10 existing high rise flats being demolished. With this in mind the goal of the regeneration project is to completely transform the area providing a hugely improved neighbourhood with high quality homes and amenities for both the long standing community and new residents.

The extensive regeneration scheme consists of a mix of high quality private and affordable housing, a new community school campus, parkland and a landmark footbridge across the M8 motorway connecting Sighthill to Glasgow city centre; improving the accessibility to the city by foot and cycling.

The new homes are being built by Keepmoat Homes, one of the top 10 UK house builders who have built over 35,000 homes across the UK and have earned 5-star builder status in the National Homes Builders Federation Awards. Their aim is simple – to deliver high-quality, multi-tenure new homes that the UK needs, at prices people can afford and in places they want to live. Over 70% of the homes they build enable buyers to take their first step on to the property ladder.

Keepmoat Homes approached metroSTOR to commission a range of external storage units for the newly built homes. metroSTOR delivered a package of over 30 storage units, situated across the development for the storage of communal waste bins and to provide secure cycle storage for residents. To maintain a uniform aesthetic for the storage units, the ForestPanel slat cladding on all units was pre-stained to the clients specification in Sadolin black to ensure consistency across the site and complement details in the surrounding architecture such as the window and door frames.

metroSTOR PBM Bin Storage Housings, providing storage for a total of 43 bins were installed across the estate. An additional requirement was for the bin storage units to be easily accessible for collection crews on bin collection days. To achieve this all 21 units across the site were keyed alike, meaning all units could be accessed using the same key, helping to make collections more efficient. All units were finished with general waste signage and the appropriate apertures for ease of use.

In addition to the bin storage units, metroSTOR PCM Cycle Storage Units were also installed for the residents, providing safe storage for 84 bikes. The cycle units were fitted with rail fixed ST bike stands providing secure locking points for the bikes. To prevent theft or vandalism of bicycles, each unit was keyed differently, meaning residents only have access to the particular unit in which their bike is being stored, providing an extra level of security for the residents.



Complementing the surrounding architecture, the units were finished in Sadolin Black to create a consistent aesthetic across the development.

Part of the UK’s largest regeneration development outside London, delivering almost 1,000 new and refurbished homes.

metroSTOR PBH
Bin Store Buildings

Integrating waste streams in a manner that inhibits risk and encourages sustainability is a fundamental principle of all metroSTOR waste and recycling storage solutions. While traditional bin storage buildings act as a standard practice for the removal of waste, they carry elements of risk, from generating fire hazards to providing a platform for anti-social behaviour.

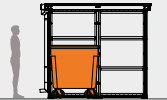
In contrast, metroSTOR PBH Bin Room Buildings make for an efficient use of available space, consolidating waste streams in either a single or a series of neat recycling systems. The structure is intentionally designed to be visually attractive and a welcoming system for users to employ. This aids peace of mind by encouraging a more responsive environment, while the addition of access control variations supply security measures and restrict the occurrence of vandalism.

A reduced level of fire risk is achieved by their exterior location, where they are often implemented close to buildings and within the user line of sight. If the unit cannot be located outside of the six metre recommended distance due to site constraints, our outdoor bin storage system can be customised with fire-resistant wall and roof cladding options. This aligns with specifier requirements for demonstrating compliance with NFCC guidance on bin store separation distances.



Product Capacity & Dimensions

PBH24



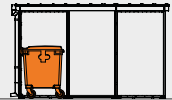
Model	Depth (mm)	Width (mm)	Height (mm)
PBH 24.26	2730	2720	2340
PBH 24.32	2730	3320	2340
PBH 24.38	2730	3920	2340
PBH 24.44 - 24.86	width increases by 600mm per variant		
PBH 24.92	2730	9320	2340
PBH 24.98	2730	9920	2340

PBH30



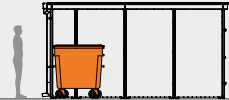
Model	Depth (mm)	Width (mm)	Height (mm)
PBH 30.26	3330	2720	2340
PBH 30.32	3330	3320	2340
PBH 30.38	3330	3920	2340
PBH 30.44 - 30.86	width increases by 600mm per variant		
PBH 30.92	3330	9320	2340
PBH 30.98	3330	9920	2340

PBH36



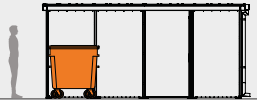
Model	Depth (mm)	Width (mm)	Height (mm)
PBH 36.26	3920	2720	2340
PBH 36.32	3920	3320	2340
PBH 36.38	3920	3920	2340
PBH 36.44 - 36.86	width increases by 600mm per variant		
PBH 36.92	3920	9320	2340
PBH 36.98	3920	9920	2340

PBH42



Model	Depth (mm)	Width (mm)	Height (mm)
PBH 42.26	4530	2720	2340
PBH 42.32	4530	3320	2340
PBH 42.38	4530	3920	2340
PBH 42.44 - 42.86	width increases by 600mm per variant		
PBH 42.92	4530	9320	2340
PBH 42.98	4530	9920	2340

PBH48



Model	Depth (mm)	Width (mm)	Height (mm)
PBH 48.26	5130	2720	2340
PBH 48.32	5130	3320	2340
PBH 48.38	5130	3920	2340
PBH 48.44 - 48.86	width increases by 600mm per variant		
PBH 48.92	5130	9320	2340
PBH 48.98	5130	9920	2340

Model Variants

A highly flexible design platform ensures distinct variety, with 65 different pre-engineered units available, along with the option for bespoke structures. Green roof designs represent a nod to the rising popularity of greener initiatives, adding visual appeal and benefitting the environment by aiding biodiversity and encouraging natural habits for birds and insects while supporting sustainability targets such as BREEAM and Biodiversity Net Gain.

Modular configurations also support efficient specification workflows, and CAD models and datasheets are available on request to assist architects and designers with spatial coordination. All metroSTOR PBH structures are UK manufactured and certified to BS EN 1090, ISO 9001 and ISO 14001.

metroSTOR PBH24 The narrowest format metroSTOR PBH at 2.4m depth with pre-engineered widths from 2.6m to 9.8m.

metroSTOR PBH30 The 3.0m depth metroSTOR PBH available with widths from 2.6m to 9.8m.

metroSTOR PBH36 Bin Store Building is designed to house two rows of 770L-1280L four-wheel refuse bins stored 'front on', in its 3.6m depth and widths from 2.6m to 9.8m.

metroSTOR PBH42 are 4.2m deep allowing space for a combination of 2 and 4-wheeled bin containers to be stored with a central aisle with widths from 2.6m to 9.8m.

metroSTOR PBH48 Bin Store Buildings are 4.8m deep allowing space for a combination of 2 and 4-wheeled bin containers to be stored with a central aisle with widths from 2.6m to 9.8m.

metroSTOR PBH Bespoke Bin Store Buildings are engineered from the modular H-Series design to suit site specific footprints, architectural considerations, the desired storage combination of bin containers to be stored and the type of access required both for residents or site users and maintenance staff.



Fire-Resistance

If the unit cannot be located outside of the six metre recommended distance our outdoor bin housings can be specified with fire-resistant wall and roof cladding options

Multiple Door Locations

Are possible within the design format to accommodate 2 and 4 wheeled containers

Pre-Engineered

Available with 65 different pre-engineered units



Customise

A wide range of cladding options are available to select according to site use, architectural style and surrounding environment.



Green Roof Option

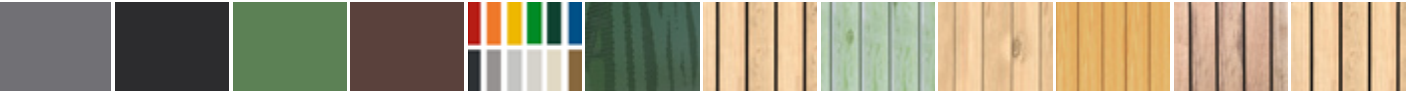
This option not only enhances visual appeal but also supports the environment by encouraging biodiversity and providing natural habitats for birds and insects. Learn more about Green Roof structures on page 54.

Locking Systems



Latch + Battery Code Lock Latch + Eurocylinder Lock Latch + Triangle Key Lock Latch Only Slide Bolt + Padlock

Cladding & Finish Examples



Firenze Anthracite Grey / FR Firenze Nordic Night Black / FR Firenze Leaf Green / FR Firenze Colour Powder Coat / FR Firenze Colour Powder Coat Firenze Freestyle Colour Powder Coat ForestPanel SW Slat ForestPanel Colour SW Slat ForestPanel SW TGV ForestPanel Cedar Slat ForestPanel Iroko Slat ForestPanel FR



metroSTOR FX
Food Waste Bin Housings

metroSTOR FX Food Waste Bin Housings are designed to help local authorities prioritise the separate collection of food waste for multi-family properties where individual waste caddies are not a practical option.

Designed to increase resident involvement in recycling schemes, the metroSTOR FX is a neat, robust and easy to use product for outdoor bin storage. It accommodates either 140L, 240L or 360L wheeled bins stored in an open position within an enclosed housing. FP models are fitted with the foot-pedal operated lid system enabling touch free access. For specifiers, the consistent footprint and clear bin capacity options allow straightforward coordination within communal waste strategies and external works layouts.

Where food waste bin housings are located in public areas, access control is often desirable to minimise contamination. BLE (Bluetooth Low Energy) latch systems can be specified with an easy to use administration platform. This supports schemes where controlled access, data-led management or future operational flexibility are being considered at design stage.

A common drawback associated with food waste bins is the requirement to handle food waste bin lids, which can discourage use. The metroSTOR FX lid is therefore considerably designed to both enable ease of operation and ensure the food waste container is kept enclosed. This function negates odours and undesirable side effects caused by food degradation, whilst also highlighting our ability to facilitate problem-solving design considerations. The enclosed, purpose-designed form supports planning-sensitive locations and helps designers demonstrate a considered approach to hygiene, usability and resident experience.

Separate battery deposit boxes can also be fitted to the metroSTOR FX bin housing range to help introduce safe and convenient battery disposal points into communal waste and recycling settings.

Specification-friendly technical information, including CAD and BIM resources, is available to support design coordination, planning submissions and tender documentation.



Minimise Contamination
Control user access with smartphone app or electronic keypad options

Cart Specific Models
Manufactured in 3 model sizes for 140, 240 and 360 litre carts

All-Steel Construction
All steel manufacture with zinc and colour coated finishes

Foot Pedal Lid Control
Use the foot pedal to deposit food waste without touching the cart lid

Product Capacity & Dimensions

FX

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
FX-140	1x 140L	610	660	1250	1 Door
FX-240	1x 240L	780	740	1260	1 Door
FX-360	1x 360L	940	750	1310	1 Door

Cladding & Finish Examples

Firenze Anthracite Grey, Firenze Nordic Night Black, Firenze Leaf Green, Firenze Walnut Brown, Firenze Colour Powder Coat, Firenze Anthracite Grey / ForestPanel SW Timber Infill

Waste and Recycling Stream Signage Option Examples

Food Waste, Example Bespoke Signage



- Battery Deposit Box**
- Allows the deposit of used batteries
 - Batteries are contained in a separate compartment



- BLE Access Control**
- BLE (Bluetooth Low Energy) Latch
 - Bluetooth app-based system to control user access

metroSTOR B-Series
Bin Storage Enclosures (140L - 1280L)

Built for today's urban environment, the metroSTOR B-Series incorporates form and function with a focus on street recycling locations. Designed to secure wheeled bin containers in an orderly fashion with user-controlled access, the B-Series increases the rate of recycling at source, reducing the contamination of waste streams whilst profiting a sense of urban style to the street scene.

For architects and specifiers working in dense urban contexts, the B-Series offers a clearly defined enclosure solution that supports compliant street layouts while maintaining visual quality and ease of use.

Customarily, communal bins are employed in crowded residential streets, parking areas and other urban environments. As a result, they can cause obstructions to foot traffic, be pushed or blown into parked cars, or otherwise be blocked in by vehicles. In contrast, the B-Series ensures bin containers are always accessible for bin crews and users by offering an enclosure that allows for secure ease of access.

The structured enclosure format assists early stage spatial planning by clearly defining bin footprints and access zones, helping to coordinate waste storage with pedestrian routes, parking layouts and collection vehicle movements.

From a design perspective, the B-Series can be tailored to suit specific locations, collection regime and user profile. Full height end frames specifically highlight the recycling hub, with stylish design features that provide branding and signage opportunities. Sustainable steel manufacturing ensures a long-term, reliable product system, while lockable enclosure frames address fire risks associated with unsecured bins. In addition, implemented lid restrictions prevent bins being used for bulky waste where outdoor bin storage is situated in public environments.

For specifiers and designers, metroSTOR B-Series bin enclosures are supported by downloadable technical information and CAD models, helping ensure consistent, coordinated integration across wider external works and public realm schemes.

Clean Space Design

Colour finish options with visual messaging opportunities

Waste Stream Control

Front-load enclosure design with signage specific recycling and apertures

Modular Design Platform

Coordinated street furnishings with metroSTOR family products

All-Steel Construction

Welded frame assemblies, tough multi-stage colour coating

Waste and Recycling Aperture and Signage Options



Product Capacity & Dimensions

B-Series 140L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
B480	2x 240L/140L	1000	1530	1420	2 doors
B1100	1x 1100L	1400	1610	1760	1 door
B1280	1x 1280L/x2 360L	1220	1610	1760	1 or 2 doors





1.26 million
fly-tipping incidents
were recorded in
England in 2024/25

Up 9% from 23/24 with
around **62%** involving
household waste

Designing for Bulky Waste: Tackling Fly Tipping in Communal Environments

Effective waste management in communal environments is a challenge to achieve successfully. Key factors are providing the right facilities, ensuring an appropriate and efficient collection frequency, mitigating fire risk, and enabling the effective separation of recyclables.

One waste stream that is particularly difficult to capture is bulky waste, a major contributing factor in fly tipping statistics. DEFRA statistics show that local authorities in England dealt with around **1.26 million fly-tipping incidents in 2024/25***, with household waste accounting for around **62% of cases**. Bulky household items such as furniture and appliances represent a significant proportion of this waste stream.

In communal environments, these incidents not only impact the environment but also negatively affect the well-being of residents, potentially acting as an instigator for further fly-tipping and ultimately derailing community pride in their surroundings and neighbourhood.

The Challenges of Bulky Waste Disposal

Bulky waste, often referred to as “large” or “oversized” items, can include furniture, appliances, electronics, and other items that cannot be stored in regular waste bins to await collection. But one waste-stream that is particularly difficult to capture from communal environments is bulky waste.

For households with access to a size-appropriate vehicle, a trip to the local Household Waste Recycling Centre (HWRC) presents the most effective solution for bulky-waste disposal. However, for those without access to a vehicle, this solution is far less feasible. In communal environments, such as apartment complexes and housing estates, residents are typically forced to rely on council collections, but the criteria for this service typically relies on users storing their bulky waste items on the street to await collection.

In order to restrict further fly-tipping and risk of arson, the designated storage space needs to be safe and secure. However, for buildings with a lack of external space this can be very restrictive, particularly for residents on high-rise buildings where transporting items to the street involves descending multiple flights of stairs. For those with mobility restrictions, this is largely impossible.

For residents, there may also be a lack of awareness regarding proper disposal methods for bulky items, leading to dumping in communal areas. Accumulated bulky waste can quickly detract from the visual environment in communal spaces and discourage residential use, with landlords potentially incurring high removal & disposal costs so that the appearance of their properties is maintained.



*DEFRA Fly-tipping statistics for England, 2024 to 2025 <https://bit.ly/3SQo9x4>

Behavioural Drivers for Fly Tipping

Fly-tipping is a prominent societal issue that has an overtly negative visual impact in almost any environment, fly-tipping can have significant financial implications for local councils, with the removal of excess waste then contributes to carbon emissions.

Fly-tipping can also create fire-hazards and contribute towards larger problems for communal environments by creating hot spots for arson and anti-social behaviour. This is one of the leading reasons that bin stores have often been located out of sight.

- A lack of awareness of what constitutes 'fly-tipping' with certain types regarded as more socially acceptable. Typically, this is based around misconception and a lack of understanding about its social, environmental and economic consequences.
- Can be motivated by an illusion that you are helping or assisting another, such as the conception that an item can be left as someone might find use for it, particularly if the item is left in a communal bin area as side waste.
- A general lack of understanding about the impacts of fly-tipping on waste management systems and the overall community, alongside an expectation that it will be picked up regardless on collection routes by the local council and without repercussions, such as warning letters or fines.
- Households running out of sufficient bin capacity before collection day and feeling a lack of personal responsibility for unwanted items. Fly-tipping is then perceived as a convenient option, with bulky waste removal potentially perceived as costly and inconvenient.



Tackling Bulky Waste and Fly Tipping

Tackling bulky waste and fly tipping in communal environments is ultimately a collective responsibility that requires the active involvement of residents, landlords, and local authorities. This can be utilised to ensure clarity and provide crucial pathways to raise awareness, enhance waste collection services, and foster a sense of community ownership to create cleaner and more sustainable communal environments.

Community Awareness and Education

Educational campaigns are useful to inform residents about proper waste disposal methods, while the recycling and reuse of bulky items can be promoted and supported through donation or resale programs. Sharing key information about the environmental and legal consequences of fly tipping can also be used to act as disincentives.

Improved Collection Services

Collaborate with local authorities to establish regular bulky waste collection days or more prominent and convenient drop-off points in communal environments. In their Reuse, Recycling & Waste Strategy London Borough of Tower Hamlets raises a clear recommendation for every new residential development in the borough to provide short-term storage for bulky waste.

Surveillance and Enforcement

Installing security cameras in fly-tipping hotspots and communal bin areas can be used to deter illegal dumping by reinforcing accountability. Enforcing stricter penalties and fines for those caught fly tipping, while a more stringent approach, is ultimately necessary to send clear messages that it will not be tolerated.

Community Cleanup Initiatives

Organize community cleanup events to involve residents in maintaining the cleanliness of communal spaces. Encourage community pride and responsibility by fostering a sense of ownership over the shared environment.



metroSTOR Cycle Storage

As a consequence of the rising popularity for greener forms of travel, secure cycle stores are fast becoming an essential element of quality housing provision. Many older buildings lack the necessary facilities for storing cycles and, as a result, users end up storing them within their flats or on communal landings, which can contribute to an overall fire safety risk. The reality and impact of these risks has been brought to light with the Grenfell Tower fire tragedy.

Providing cycle storage externally is often the only solution, which, because of their remote nature, turns security into a paramount consideration. The active prevention of cycle theft is a central consideration in metroSTOR product design. Accredited by Sold Secure, our wide range of cycle storage products are reliable and built to last. Two types of smartphone access, in addition to fob-operated systems, provide extra security and personal accessibility for our customers. Additionally, these features help to illustrate our awareness of the increasing popularity of digitally enabled access in modern environments.

In consideration of greener initiatives, and to reduce environmental impact even further, all of our metroSTOR products utilise sustainably sourced materials throughout the manufacturing process, achieving close to 100% end-of-life recyclable value. Correspondingly, Biodiversity is a crucial element that we're very passionate about, with green roof options available on most models. metroSTOR cycle stores are also designed with specification efficiency and design coordination in mind, supporting planning compliance and integration with wider architectural schemes and aligning with design stage sustainability goals such as BREEAM and Biodiversity Net Gain.



How do metroSTOR cycle stores reduce crime and theft?

Standard cycle security measures, such as a bike lock or chain, are a necessary addition to owning a bicycle, but they cannot be regarded as impenetrable. metroSTOR cycle stores ensure the proven safety and security of cycles by providing secure locking points within a secure environment to provide a dual layer of security which discourages theft. Our products prioritise security, with highly durable materials utilised in the manufacturing process to ensure long-term stability, deterring the likelihood of damage and vandalism. Design integration extends to access control and door systems, supporting compliance with Secure by Design and Sold Secure standards with certification data available within our specification resources.

Secured by design

Access control & security ratings are an important consideration when specifying external bike storage. metroSTOR bike stores are available to Secured by Design specification having been independently tested and certified by the Sold Secure approval body. Security levels are classified by Sold Secure as Bronze, Silver & Gold with each level reflecting the time allocated for the test and combination of tools used to try and gain unauthorised access during the test. The metroSTOR BIKE-S Cycle Locker achieves Sold Secure SS104 Bicycle Bronze. metroSTOR PCH Cycle Hub Buildings, metroSTOR PCH Cycle Stores and metroSTOR PCM Cycle Storage Units all achieve Sold Secure SS104 Bicycle Gold.

Ease of specification

metroSTOR cycle stores are designed for ease of specification with either pre-engineered or bespoke options available. With over 100 pre-designed cycle stores the space planning process is simple and straightforward. metroSTOR is able to offer significant efficiencies by handling the whole process from design and manufacture of units through to final installation, eliminating the need to manage multiple third parties. metroSTOR bike storage units are designed to be tough and see regular daily usage in communal settings and all units offer a 5-year warranty. Specification resources including CAD, NBS and datasheets are available to support architectural coordination.

metroSTOR PCH
Cycle Stores (06 - 144 Cycles)

The metroSTOR H-Series is defined by a flexible design platform, accommodating the maximum number of cycles within the available footprint. No compromise is made towards space efficiency, security or design features, enabling the H-Series to find customer-focused solutions to exterior cycle storage.

Our cycle hubs can be manufactured to accommodate the optimum number of cycles within the available footprint, with pre-engineered designs able to house up to 144 cycles safely and securely. Bespoke designs can accommodate any number of cycle spaces to fit customer requirements. For architects and specifiers, the scalable module sizes and repeatable layouts support efficient coordination within masterplans, residential schemes and external works packages.

A choice in cladding density benefits the maintenance of clear lines of sight, an essential component for ensuring security and deterring cycle theft. Access control and security options can be aligned with Secured by Design principles, with configurations available to support higher-security cycle parking strategies where required. The option for e-cycle charging points is an aid to renewable energy sources, whilst concurrently inhibiting the risk of a fire hazard caused by lithium batteries.

The H-Series feature a clean style that acts as a fitting complement to the urban street scene. Variable access control options further aid that sense of security, with effective rainwater run-off systems that ensure the long-term durability of our product. In addition, options for green roof provisions increase the potential for biodiversity, enhancing the environment our cycle stores are often placed in.

Specification-friendly technical information, including CAD and BIM resources, is available to support design coordination, planning submissions and NBS-aligned specifications.



Model Variants

metroSTOR PCH21 Cycle Stores are designed to maximise value and availability of footprint on site for cycle storage. With no aisle space the PCH21 is open fronted as standard though the store can be enclosed with optional Zed Panel sliding door system.

metroSTOR PCHT21 Cycle Stores is the two-tier cycle rack version with the same open fronted design to maximise value and availability of footprint on site. An optional Zed Panel sliding door system is available to enclose the store.

metroSTOR PCH24 Cycle Stores are designed to accommodate semi-vertical cycle racks in a single-row layout accessed from a side aisle.

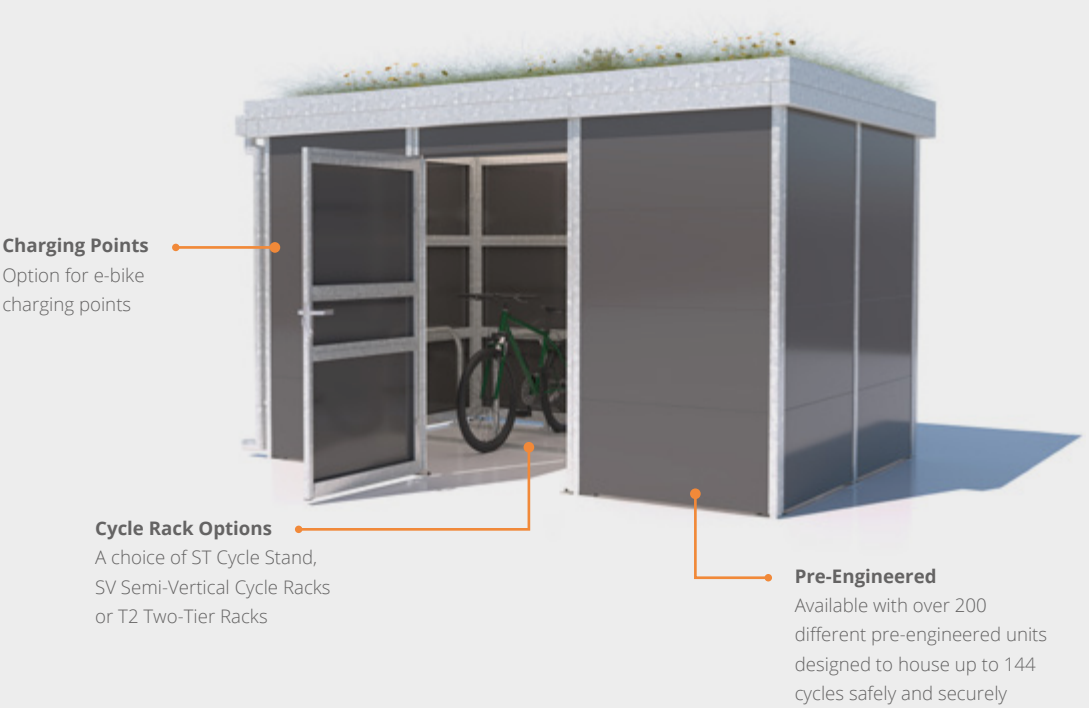
metroSTOR PCH30 Cycle Stores are designed to accommodate Sheffield type cycle stands in a single-row layout accessed from a side aisle.

metroSTOR PCHT42 Cycle Stores accommodate two-tier cycle racks in a single-row layout accessed from a side aisle with doors in either elevation.

metroSTOR PCH48 Cycle Stores are designed with a central aisle accessing the two rows of either Sheffield type cycle stands or semi-vertical cycle racks. Up to 92 cycles can be stored securely within pre-engineered formats and increased capacity is available with bespoke dimensions.

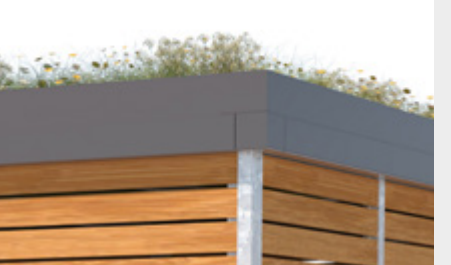
metroSTOR PCHT60 Cycle Stores are specified for maximum cycle storage capacity with a central aisle accessing two rows two-tier racks. Pre-engineered layouts accommodate up to 144 cycles with the PCHT design platform able to accommodate a variety of cycle storage layouts including lockers, maintenance pillars and E-Bike charging points.

metroSTOR PCH Bespoke Cycle Stores are engineered from the modular pre-engineered H-Series design to suit site specific footprints and the desired storage combination of cycle stands, racks lockers and e-bike charging points.



Customise

A wide range of cladding options are available to select according to site use, architectural style and surrounding environment.

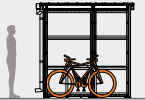


Green Roof Option

This option not only enhances visual appeal but also supports the environment by encouraging biodiversity and providing natural habitats for birds and insects. Learn more about Green Roof structures on page 54.

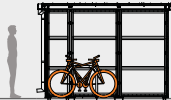
Product Capacity & Dimensions

PCH21 Open Fronted



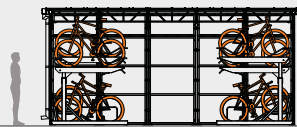
Model	SV Storage	Hoop Storage	Depth (mm)	Width (mm)	Height (mm)
PCH 21.26	6x Cycles	6x Cycles	2410	2710	2340
PCH 21.32	8x Cycles	8x Cycles	2410	3310	2340
PCH 21.44	12x Cycles	10x Cycles	2410	4510	2340
PCH 21.50 - 21.128	capacity increases by 2-4 cycles		width increases by 600-1200mm per variant		
PCH 21.140	42x Cycles	34x Cycles	2410	14140	2340
PCH 21.146	46x Cycles	36x Cycles	2410	14750	2340
PCH 21.152	48x Cycles	38x Cycles	2410	15350	2340

PCH30



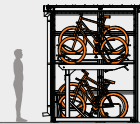
Model	Hoop Storage	Depth (mm)	Width (mm)	Height (mm)
PCH 30.26	6x Cycles	3330	2710	2340
PCH 30.32	8x Cycles	3330	3310	2340
PCH 30.44	10x Cycles	3330	4510	2340
PCHT 30.50 - 30.128	capacity increases by 2 cycles		width increases by 600-1200mm per variant	
PCH 30.140	34x Cycles	3330	14140	2340
PCH 30.146	36x Cycles	3330	14750	2340
PCH 30.152	38x Cycles	3330	15350	2340

PCHT60



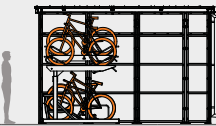
Model	Two Tier Storage	Depth (mm)	Width (mm)	Height (mm)
PCHT 60.26	20x Cycles	6330	2710	2890
PCHT 60.32	28x Cycles	6330	3310	2890
PCHT 60.38	32x Cycles	6330	3910	2890
PCH 60.50 - 60.128	capacity increases by 4-8 cycles		width increases by 600mm per variant	
PCHT 60.140	132x Cycles	6330	14140	2890
PCHT 60.146	136x Cycles	6330	14750	2890
PCHT 60.152	144x Cycles	6330	15350	2890

PCHT21 Open Fronted



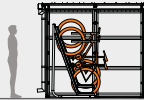
Model	Two Tier Storage	Depth (mm)	Width (mm)	Height (mm)
PCHT 21.26	10x Cycles	2410	2710	2890
PCHT 21.32	12x Cycles	2410	3310	2890
PCHT 21.44	18x Cycles	2410	4510	2890
PCHT 21.50 - 21.128	capacity increases by 2-6 cycles		width increases by 600-1200mm per variant	
PCHT 21.140	62x Cycles	2410	14140	2890
PCHT 21.146	66x Cycles	2410	14750	2890
PCHT 21.152	68x Cycles	2410	15350	2890

PCHT42



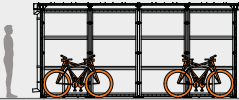
Model	Two Tier Storage	Depth (mm)	Width (mm)	Height (mm)
PCHT 42.26	10x Cycles	4530	2710	2890
PCHT 42.32	14x Cycles	4530	3310	2890
PCHT 42.38	16x Cycles	4530	3910	2890
PCH 42.50 - 42.128	capacity increases by 2-4 cycles		width increases by 600mm per variant	
PCHT 42.140	66x Cycles	4530	14140	2890
PCHT 42.146	68x Cycles	4530	14750	2890
PCHT 42.152	72x Cycles	4530	15350	2890

PCH24



Model	Semi-Vertical Storage	Depth (mm)	Width (mm)	Height (mm)
PCH 24.26	6x Cycles	2730	2710	2340
PCH 24.32	8x Cycles	2730	3310	2340
PCH 24.44	12x Cycles	2730	4510	2340
PCH 24.50 - 24.128	capacity increases by 2-4 cycles		width increases by 600-1200mm per variant	
PCH 24.140	42x Cycles	2730	14140	2340
PCH 24.146	44x Cycles	2730	14750	2340
PCH 24.152	46x Cycles	2730	15350	2340

PCH48



Model	SV Storage	Hoop Storage	Depth (mm)	Width (mm)	Height (mm)
PCH 48.26	12x Cycles	12x Cycles	5130	2710	2340
PCH 48.32	16x Cycles	16x Cycles	5130	3310	2340
PCH 48.44	24x Cycles	20x Cycles	5130	4510	2340
PCH 48.50 - 48.128	capacity increases by 4-8 cycles		width increases by 600-1200mm per variant		
PCH 48.140	84x Cycles	68x Cycles	5130	14140	2340
PCH 48.146	88x Cycles	72x Cycles	5130	14750	2340
PCH 48.152	92x Cycles	76x Cycles	5130	15350	2340

Locking Systems



Latch + Battery Code Lock



Latch + Eurocylinder Lock



Latch + RFID Lock



Slide Bolt + Padlock

Cladding & Finish Examples



Firenze Anthracite Grey

Firenze Nordic Night Black

Firenze Leaf Green

Firenze Walnut Brown

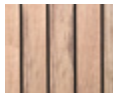
Firenze Colour Powder Coat

Firenze Freestyle Colour Powder Coat

ForestPanel SW Slat

ForestPanel SW TGV FR

ForestPanel Cedar Slat



ForestPanel Iroko Slat



ZedPanel V-Mesh



Bespoke Laser Cut PPC



Toughened Glass

Cycle Rack Options



CENTAUR ST Cycle Stands



CENTAUR SV Semi-Vertical Cycle Racks



CENTAUR T2 Two-Tier Racks



metroSTOR PCH Cycle Store Case Study
East Ham Town Hall Annexe, London

Client **Myco Contracts**

Located on Barking Road in the London Borough of Newham, East Ham Town Hall Annexe forms part of The Didsbury Phase 2 development, transforming the original 1939 council building into 37 contemporary apartments.

The scheme retains its distinctive Art Deco detailing while adding two new floors to create a mix of one, two and three-bedroom homes, most with private outdoor space and access to communal gardens shared with The Didsbury development next door.

East Ham is one of Newham's most diverse and well-connected neighbourhoods, with excellent transport links via East Ham Underground Station and The Greenway cycle route to Stratford. The area also benefits from a wide range of local amenities including East Ham Leisure Centre, East Ham Library and the nearby East Ham Nature Reserve.



The redevelopment included additional security enhancements and the secure, gated access cycle storage unit was an essential part of the scope. The metroSTOR PCH provides secure, external storage for 68 cycles. The store is constructed from hot-dip galvanised steel with LPS 1175 SR2-rated 358 security mesh cladding and a lockable hinged door. An optional sedum green roof was specified for the cycle store to enhance biodiversity and visual integration within the landscaped setting. The cycle store was manufactured to project specific requirements, including an integrated increased-height section to suit the site layout.

The installation supports the development's sustainable transport and environmental objectives, providing residents with practical, high-security facilities that complement the architectural character of the site.

metroSTOR are proud to contribute to the regeneration of this historic building, creating infrastructure that aligns with Newham's vision for greener, better-connected communities.



metroSTOR PTH Storage Building Case Study
Peffermill Playing Fields, University of Edinburgh

Client **Sportex Group**

Peffermill Playing Fields is a landmark sporting venue for the University of Edinburgh, located just two and a half miles from the city centre, beneath the iconic backdrop of Arthur's Seat.

Peffermill is a key site for student sport and community access, boasting around 20 pitches and an impressive range of facilities including FIH-certified hockey surfaces, 3G and grass stadium pitches, netball courts and a cricket square.

As part of the University's commitment to enhancing site operations and supporting its long-term sustainability goals, metroSTOR was selected to deliver a secure and environmentally sensitive storage solution.



A metroSTOR PTH was designed to support the daily equipment needs of the site's sports teams and grounds staff. The unit provides high-capacity, weatherproof storage in a compact footprint, with a robust steel structure and integrated access features.

To align with the University's 'Wild Campus' strategy and the local 'Wild Peffermill' biodiversity initiative, the storage unit was specified with a ForestPanel SW TGV timber cladding system and a sedum green roof. This specification enhances the visual character of the site, supports pollinators and other wildlife and contributes to stormwater management. Secure access is provided via a combination of right-hand hinged and double doors, with slide bolt and padlock closure.

This installation at Peffermill forms part of a wider programme of infrastructure investment, supporting sport and sustainability at the University of Edinburgh. metroSTOR is proud to contribute to this evolving landscape, where high-performance facilities and ecological responsibility go hand in hand.



metroSTOR PCM
Cycle Storage Units (02 - 48 Cycles)

metroSTOR PCM demonstrates versatility, with an in-line cycle storage system that enables cycles to be housed safely and securely in either a vertical, semi-vertical or level position, reducing the required footprint by enclosing only the necessary cycle rack space. All of our variants can be developed further with up to six connected modules, each with its own access door. For architects and specifiers, the in-line, modular format supports efficient space planning and coordinated layouts across residential and mixed-use schemes.

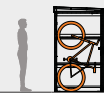
Multiple composition features illustrate our capacity for solution-based design, with variable access control options enabling security and accessibility, while an all-steel modular frame ensures durability in tough urban environments. Configurable access control and panel options allow the PCM range to be aligned with wider security strategies and external design palettes.

Our cycle storage units are positioned within sight of nearby residential properties, helping deter opportunistic crime. Likewise, this secure location reduces fire hazards by encouraging the decluttering of communal areas, which are often poorly facilitated for cycle storage. Specification-friendly technical information, including CAD and BIM resources, is available to support design coordination and planning-stage decision making.



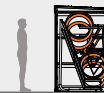
Product Capacity & Dimensions

PCM12



Model	Vertical Storage	Depth (mm)	Width (mm)	Height (mm)
PCM 12.12	2x Cycles	1280	1290	2060
PCM 12.24	5x Cycles	1280	2490	2060
PCM 12.36	8x Cycles	1280	3690	2060
PCM 12.48	11x Cycles	1280	4890	2060
PCM 12.60	15x Cycles	1280	6090	2060
PCM 12.72	18x Cycles	1280	7290	2060

PCM15



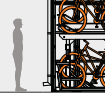
Model	Semi-Vertical Storage	Depth (mm)	Width (mm)	Height (mm)
PCM 15.12	2x Cycles	1580	1290	2060
PCM 15.24	6x Cycles	1580	2490	2060
PCM 15.36	9x Cycles	1580	3690	2060
PCM 15.48	13x Cycles	1580	4890	2060
PCM 15.60	16x Cycles	1580	6090	2060
PCM 15.72	20x Cycles	1580	7280	2060

PCM18



Model	Hoop Storage	Depth (mm)	Width (mm)	Height (mm)
PCM 18.12	2x Cycles	1880	1280	2060
PCM 18.24	6x Cycles	1880	2490	2060
PCM 18.36	8x Cycles	1880	3690	2060
PCM 18.48	12x Cycles	1880	4890	2060
PCM 18.60	14x Cycles	1880	6090	2060
PCM 18.72	18x Cycles	1880	7290	2060

PCMT



Model	Two Tier Storage	Depth (mm)	Width (mm)	Height (mm)
PCMT 12	12x Cycles	3330	2710	2890
PCMT 24	24x Cycles	3330	5110	2890
PCMT 36	36x Cycles	3330	7510	2890
PCMT 48	48x Cycles	3330	9910	2890

Model Variants

metroSTOR PCM12 units store cycles using the wall-mount rack type for a minimal overall footprint. The narrow format makes secure cycle storage possible on narrow strips of land alongside buildings or boundaries with individual door access to each unit.

metroSTOR PCM15 is designed to store cycles using semi-vertical cycle racks for maximum value per cycle space. Individual doors to each unit ensures access is not restricted for narrow sites.

metroSTOR PCM18 units are fitted with easy to use Sheffield type cycle stands. The specification is readily accessible for users and suited to those less able with no lifting of cycles required to be stored securely.

metroSTOR PCMT is designed to accommodate the two-tier rack system. All variants can be specified with up to six connected modules, each with its own access door. This design reduces the required footprint by enclosing only the cycle rack space.



Varying Storage Capacity

Available to store between 2 and 48 cycles with four different cycle rack options

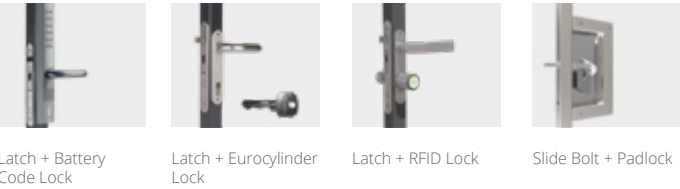
Green Roof

This option not only adds visual appeal but also benefits the environment by supporting biodiversity and promoting natural habitats for birds and insects

Customise

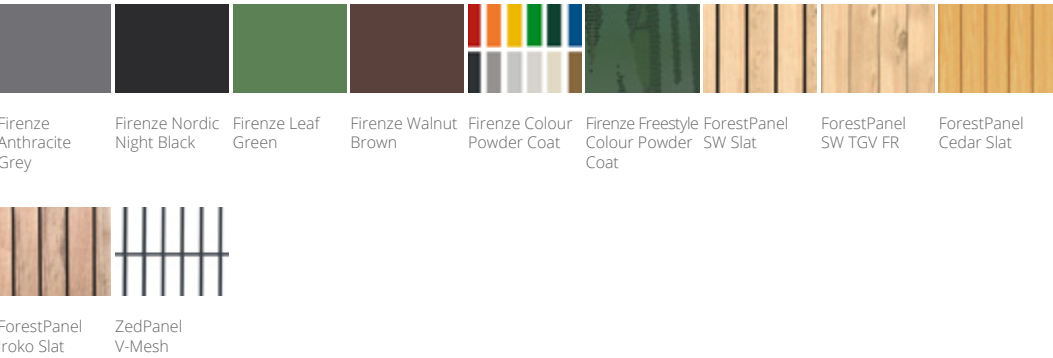
A wide range of cladding options are available to select according to site use, architectural style and surrounding environment

Locking Systems

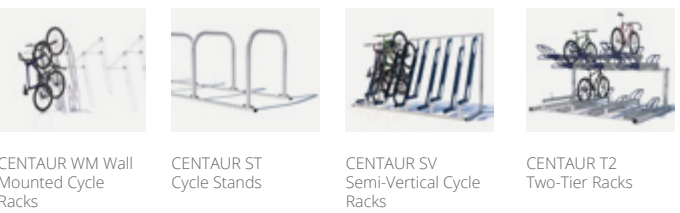


Latch + Battery Code Lock Latch + Eurocylinder Lock Latch + RFID Lock Slide Bolt + Padlock

Cladding & Finish Examples



Cycle Rack Options



metroSTOR BIKE-S
Cycle Storage Modules (01 - 18 Cycles)

The BIKE-S locker module blends style, durability and ease of use with a clean aesthetic that is designed with a view towards contributing to the urban street scene. It combines the security of an individual locker with the compact dimensions of a communal store.

Our Street variant enables ease of access, with the option for a Walk-In module also available. A variety of colours encourage the opportunity to complement the environment, adding to the visual appeal of our product and creating a sense of unity and personalisation. For designers and specifiers, the low-profile form and car-space footprint support straightforward integration within streetscapes, parking layouts and public realm schemes.

This approach to design and function in no way compromises security, with all BIKE-S locker modules achieving Sold Secure Bronze accreditation as standard. This provides clear assurance for schemes where defined security standards are required at specification stage. Unique slot pattern vision panels ensure clear lines of sight, aiding personal security measures in tough urban environments and ensuring the user's peace of mind.

BIKE-S communicates the intent of our product with clear cycle parking graphics. Each module utilises space efficiency and is designed to fit within the dimensions of a car parking space. In addition, each module can be connected in a series to form a larger cycle store, expanding its scope of accessibility. The modular, repeatable format allows capacity to be scaled across a site while maintaining a consistent design language.



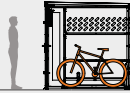
Product Capacity & Dimensions

BIKE-S Street



Model	Storage	Depth (mm)	Width (mm)	Height (mm)
Bike-S Street 6	6x Cycles	2200	2200	1490
Bike-S Street 12	12x Cycles	2200	4220	1490
Bike-S Street 18	18x Cycles	2200	6330	1490

BIKE-S 6



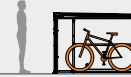
Model	Storage	Depth (mm)	Width (mm)	Height (mm)
Bike-S 6	6x Cycles	2200	2510	2150

BIKE-S SQ



Model	Storage	Depth (mm)	Width (mm)	Height (mm)
Bike-SQ 1	4x Cycles	2110	2110	1510

BIKE-S SL



Model	Storage	Depth (mm)	Width (mm)	Height (mm)
Bike-SL 1	1x Cycles	2110	1060	1490

Model Variants

metroSTOR BIKE-S Street modules are a low-profile design with a maximum height of 1485mm for reduced visual impact and the maintenance of clear sightlines. The 2000mm module depth enables positioning within standard car parking bays. Three models are available with storage capacity for 6, 12 or 18 cycles.

metroSTOR BIKE-S Standard modules maximum height of 2200mm allows access inside the store and affords protection from inclement weather. The same 2000mm depth enables positioning within standard car parking spaces.

With the same low-profile design and compact footprint common to all metroSTOR BIKE-S products, the **SQ model** provides four individually lockable stores within a compact footprint where access to both front and rear of the unit can be accommodated. High specification locking systems and security fixings throughout ensure safe storage of cycles.

The **metroSTOR BIKE-S single locker** version provides secure storage for cycles where individually lockable units are required. The metroSTOR BIKE-S Locker model can be specified with a sedum greenroof, secure cladding options and locking systems that include coin operation.

Varying Storage Capacity

BIKE-S modules are available to store between 1 and 18 cycles

Vision Panels

Unique slot pattern vision panels ensure clear lines of sight, aiding personal security measures in tough urban environments



Space Efficiency

Designed to fit a single unit within a car parking space, each separate module can also be connected in series to form a larger module

Customise

A wide range of cladding options are available to select according to site use, architectural style and surrounding environment



Green Roof Option

This option not only adds visual appeal but also benefits the environment by supporting biodiversity and promoting natural habitats for birds and insects. Learn more about Green Roof structures on page 54.

Locking Systems



Latch + Battery Code Lock



Latch + Eurocylinder Lock



Latch + RFID Lock



Slide Bolt + Padlock

Cladding & Finish Examples



Firenze

Anthracite Grey / FR

Firenze Nordic

Night Black / FR

Firenze Leaf

Green / FR

Firenze Walnut

Brown / FR

Firenze Colour

Powder Coat

Firenze Freestyle

Colour Powder Coat

ForestPanel

SW Slat

ForestPanel

Cedar Slat

ForestPanel

Iroko Slat

Design Features

Vision Panel

The unique slot pattern vision panels ensure clear lines of sight are maintained through the store for personal security.

Integral Cycle Racks

Integral, stepped cycle trays and welded security locking points at the front of the store makes loading and securing cycles easy.

Optional Door Closer

Access doors can be fitted with internal closing cylinders to prevent the store being left unsecured.

Door Lock Protection

Access doors are locked using a Kitemarked 3-Star Eurocylinder with external anti-drill plate welded to door frames.

Green Roof Options

Optional lightweight sedum or wildflower green roof with integrated liner, reservoir and growing medium.





Designing Effective Cycle Parking Hubs

What are Cycle Stores?

Bike parking hubs help promote sustainable and active travel, and will often combine various bike parking types and integral cycling features, such as repair and maintenance services, into one dedicated facility, as well as enabling opportunities to integrate educational materials for users like nearby route information posters and advice on secure locking.

Designing Effective Cycle Stores

Designing an effective and purposeful facility requires an assessment of certain core considerations, covering safety and security, layout and space planning, visual elements, and practical features.

Safety and Security

- **Location** – Cycle Stores should be installed in a prominent location with passive oversight enabled, ideally as close to the main cyclist destination as possible. Bike parking standards advise this as within 15 metres of a single destination for short-term bike parking, 25 metres if serving multiple destinations, and 50 metres for facilities offering long-term storage.
- **Locking Systems** – Cycle Stores will accommodate multiple-user access, so implementing a dedicated locking system will help to establish access control to authorised individuals only and offer reassurance. Options for this include app-based, electronic fob, mechanical keypad and key operated systems.
- **Cladding** – Options for external wall panelling will offer various levels of security and whether the cycle store will have an open or enclosed design. These include materials such as glass, coloured steel, and timber. Coated security mesh is one option that is highly-effective for high-security settings and offers line of sight throughout the hub.
- **Lighting** – A cycle store facility should be well-lit to enable access during non-daylight hours. Integrating this as a priority will help to reassure users that their bikes are safe by deterring bike theft opportunities through active visibility, with the addition of CCTV beneficial if the cycle store has an enclosed design.



Layout and Space Planning

Capacity – With cycle stores offering a range of options to accommodate storage and capacity requirements, effective space planning is key to optimising cost per bike stored within the designated setting. Looking to provide a higher capacity than is initially required will help to accommodate future cycling uptake.

Bike Parking – The level of security required will help to determine what kind of bike parking the hub will offer, such as how many locking points are required. Cycle stores accommodate single-row layouts with stand, semi-vertical or two-tier rack types.

Visual Elements

Finishes – Cycle stores offer a variety of options for ensuring a coordinated design that compares or contrasts with the setting. Finishes will typically be protective layers and coatings that help to provide protection from the elements when the cycle store is installed in an external environment.

Signage – Implementing dedicated signage at access paths and routes in the environment helps to direct cyclists, residents and building users to the location of the cycle store. A simple means to encourage use.

Information – Information as a part of the facility: provide leaflets, cycle routes and maps for the cyclist to use. Make the hub an information hub!

Practical Features

Equipment Lockers – Providing secure lockers for bags, helmets and other accessories is highly beneficial for users and helps to encourage use. These additions can also be designed to take up limited floor space and can be fitted to walls to maximise the available footprint.

Bike Repair Station – Another simple yet highly useful facility that benefits cyclists by incorporating pumps and bike tools to ensure bikes are in top condition at the beginning of their journey, through to end-users arriving back to store their bikes overnight or throughout the day.

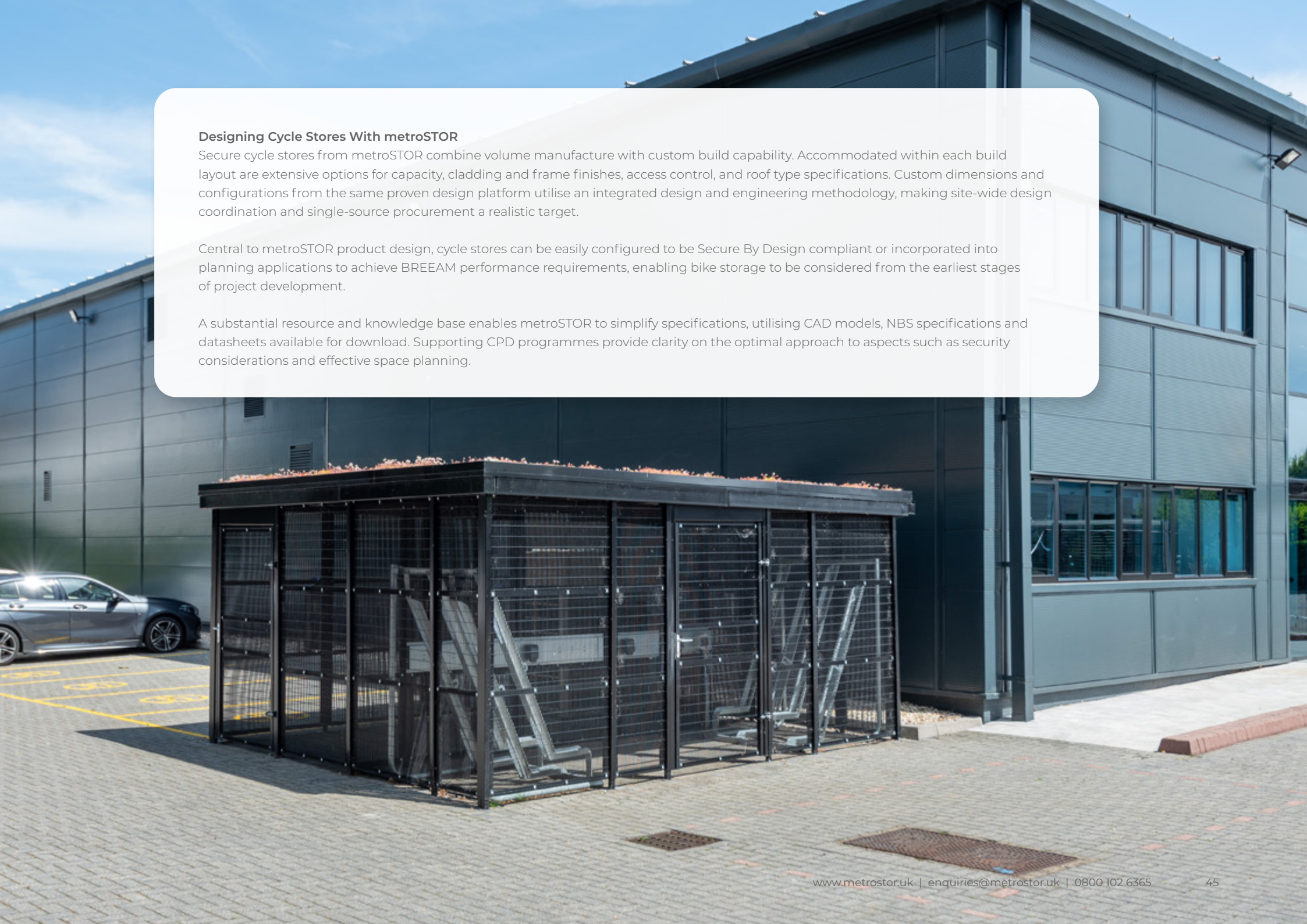


Designing Cycle Stores With metroSTOR

Secure cycle stores from metroSTOR combine volume manufacture with custom build capability. Accommodated within each build layout are extensive options for capacity, cladding and frame finishes, access control, and roof type specifications. Custom dimensions and configurations from the same proven design platform utilise an integrated design and engineering methodology, making site-wide design coordination and single-source procurement a realistic target.

Central to metroSTOR product design, cycle stores can be easily configured to be Secure By Design compliant or incorporated into planning applications to achieve BREEAM performance requirements, enabling bike storage to be considered from the earliest stages of project development.

A substantial resource and knowledge base enables metroSTOR to simplify specifications, utilising CAD models, NBS specifications and datasheets available for download. Supporting CPD programmes provide clarity on the optimal approach to aspects such as security considerations and effective space planning.



metroSTOR

Personal Mobility Device Storage & Charging

Greener forms of travel such as e-bikes, e-scooters and mobility scooters are central to today's urban communities and metroSTOR secure external storage and charging facilities are designed to reduce fire and theft risks for personal mobility devices. The range is also developed to support architectural integration and coordinated specification across new and existing developments.

As the UK's leading manufacturer of external storage and charging units for personal mobility devices, metroSTOR BIKE-E, BIKE-ES, PSM and PSH provide safe storage and individual battery charging for e-scooters, e-bikes and mobility scooters, from single locker format to communal hub buildings. Technical resources including CAD and datasheets assist early-stage planning and design.

With easy to configure specifications that include options for fire-resistant enclosures, energy consumption metering, access control, security ratings and product finishes, metroSTOR personal mobility device storage and charging units are proven product systems backed by a 3 year limited warranty.

As a brand of Streetspace, metroSTOR project delivery capability extends to turnkey installation packages including planning applications, enabling civil engineering and electrical works. This integrated delivery approach helps simplify coordination for specifiers and project teams.

Powered Mobility Devices – FAQs

Why are lithium-ion batteries a potential fire risk?: Even small Lithium-ion batteries can explode with huge force and burn fiercely if damaged, either physically or through over-charging, an action known as 'thermal runaway'. A huge volume of toxic gases is emitted, between 300-6000L from a 1kWh battery typically fitted to an e-bike.

In poorly-ventilated areas this can lead both to fatalities through inhalation but also a huge deflagration when ignited, with fire then spreading via any combustible materials that are present such as tyres, seats, fenders, carpets and furniture, etc, reaching 900deg and presenting firefighters with huge challenges to extinguish. Powered Mobility Devices are at risk of having non-standard batteries, chargers and other components fitted after purchase, many of which are often of dubious quality, and some such as e-scooters are particularly vulnerable to damage with the likelihood of the battery casing making contact with the ground.



How often have such incidents occurred?: There has been an alarming increase in fires affecting e-bikes and e-scooters in recent months, some of which have tragically resulted in fatalities (in the US and other countries). London Fire Brigade attended over 100 such incidents last year and this is escalating very rapidly indeed and they strongly recommend that Lithium-ion powered devices are not stored indoors if at all possible.

What are the implications for landlords?: Landlords have obligations under the Fire Safety Order to ensure that tenants are not exposed to fire risk and that escape routes are maintained. They have a legal responsibility to maintain common areas in a sterile condition (no combustibles), and this extends to minimising particular risks within tenants' flats such as mobility scooters.

The effects of such an event occurring anywhere inside a building are unthinkable, let alone inside someone's flat. While simple steps can be taken to reduce the risk such as not charging at night-time, fitting alarms, etc ultimately the only way to remove the risk is to create secure external charging points.

Many landlords have adopted the relevant NFCC guidance for mobility scooters, but as e-bikes and e-scooters are not generally regarded as 'essential' in the same way as a mobility scooter might be, landlords could just ban them from being brought into their buildings. However, landlords try to accommodate their tenants' wishes where possible and preventing them from choosing green travel options in preference to car usage would be seen as regressive.



metroSTOR PSH Mobility
Scooter Charging Hub Buildings (02 - 16 Mobility Scooters)

metroSTOR PSH Mobility Scooter Hub Buildings provide safe storage and charging for multiple mobility scooters. Designed for ease of use with shared entry control systems and ample enclosed space for access and egress within the facility.

Developed for ease of specification and procurement, the metroSTOR H-Series design platform enables design flexibility for building footprint and capacity, while providing the benefits of single-source manufacture and installation. The pre-engineered platform supports early-stage layout testing and coordinated planning across constrained sites.

metroSTOR PSH Hub Building packages include the steel structure, external cladding, rainwater systems, internal battery charging, lighting and access control. External wall cladding panels can be specified from colour coated steel or timber finishes with fire resistant lining systems available. Two structure widths and fourteen pre-engineered configurations are designed to provide safe storage and charging for the optimum number of mobility scooters within the available site footprint. Bespoke Hub Building formats can be accommodated.

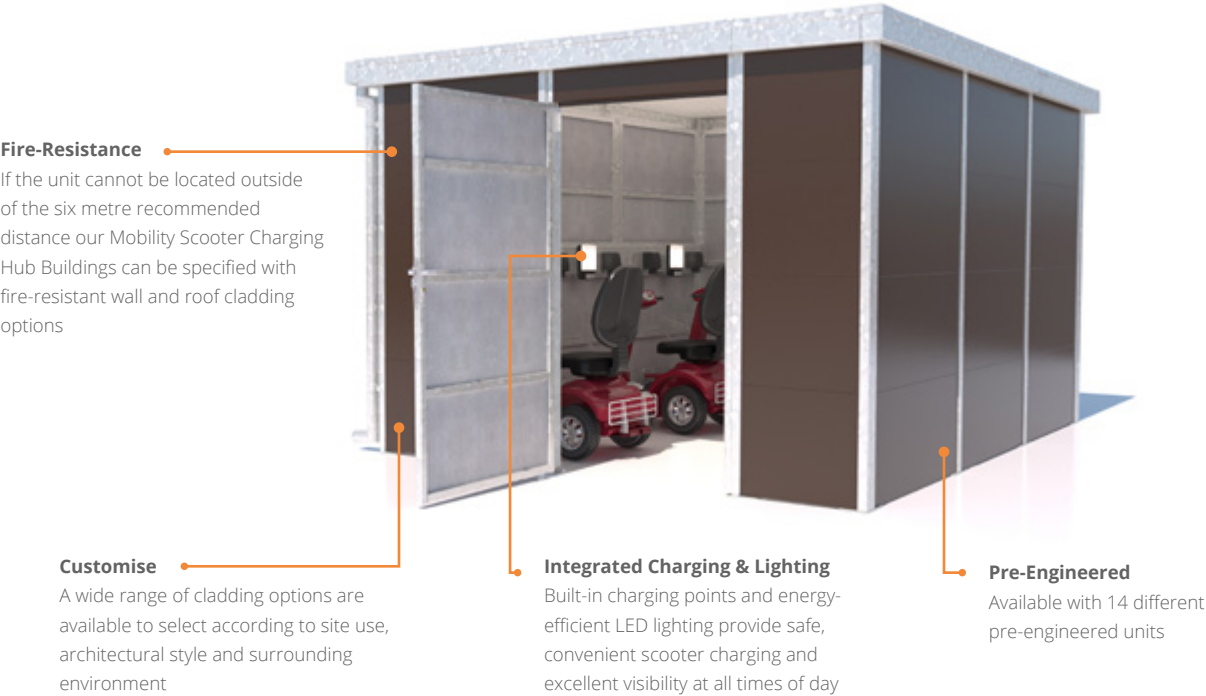
Specification-friendly CAD and BIM resources are available to support design coordination and approvals. PSH structures are manufactured in the UK under accredited BS EN 9001 and BS EN 1090 processes.



Model Variants

metroSTOR PSH30 mobility scooter charging hub is designed for mobility scooters to be parked along one side of the store, with each space having a designated charging point.

metroSTOR PSH48 mobility scooter charging hub accommodates two rows of mobility scooters either side of a central aisle, with each space having a designated charging point.



Fire-Resistance

If the unit cannot be located outside of the six metre recommended distance our Mobility Scooter Charging Hub Buildings can be specified with fire-resistant wall and roof cladding options

Customise

A wide range of cladding options are available to select according to site use, architectural style and surrounding environment

Integrated Charging & Lighting

Built-in charging points and energy-efficient LED lighting provide safe, convenient scooter charging and excellent visibility at all times of day

Pre-Engineered

Available with 14 different pre-engineered units

Product Capacity & Dimensions

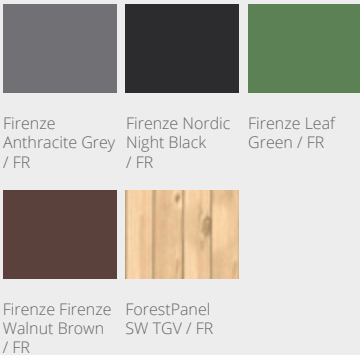
PSH30

Model	Storage	Depth (mm)	Width (mm)	Height (mm)
PSH 30.26	2x Mobility Scooters	3330	2720	2340
PSH 30.38	3x Mobility Scooters	3330	3920	2340
PSH 30.50	4x Mobility Scooters	3330	5120	2340
PSH 30.62	5x Mobility Scooters	3330	6320	2340
PSH 30.74	6x Mobility Scooters	3330	7520	2340
PSH 30.86	7x Mobility Scooters	3330	8720	2340
PSH 30.98	8x Mobility Scooters	3330	9920	2340

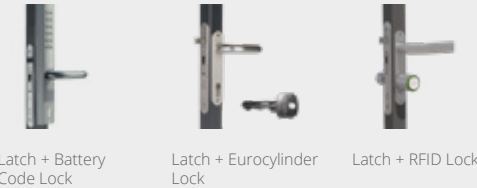
PSH48

Model	Storage	Depth (mm)	Width (mm)	Height (mm)
PSH 48.26	4x Mobility Scooters	5130	2720	2340
PSH 48.38	6x Mobility Scooters	5130	3920	2340
PSH 48.50	8x Mobility Scooters	5130	5120	2340
PSH 48.62	10x Mobility Scooters	5130	6320	2340
PSH 48.74	12x Mobility Scooters	5130	7520	2340
PSH 48.86	14x Mobility Scooters	5130	8720	2340
PSH 48.98	16x Mobility Scooters	5130	9920	2340

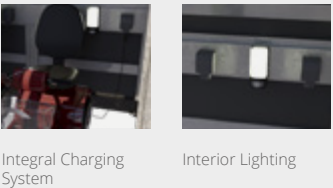
Cladding & Finish Examples



Locking Systems



Product Functionality



metroSTOR PSM
Mobility Scooter Charging Units (01 - 06 Mobility Scooters)

The original scooter store, metroSTOR PSM is designed to provide users with a secure, easy-to-use storage and charging facility, protected at all times from the elements within a compact footprint. The unobtrusive design means the metroSTOR PSM can be positioned in accessible locations close to buildings without undue visual impact.

Designed for Class 1, 2 and 3 mobility scooters, the metroSTOR PSM provides secure individual storage with flexible left- or right-handed door configurations to suit site constraints. CAD blocks are available to support efficient planning and site layout design.

This highly flexible design model extends to a choice of panel types including fire-resistant specifications, enabling metroSTOR PSM units to reduce the visual impact of external storage facilities. Panel options and dimensional variants support coordination within constrained frontage layouts and planning-sensitive locations.

metroSTOR PSM is designed and manufactured in the UK by Streetspace under BS EN 9001:2015, BS EN 9001:2015 and BS EN 1090 accredited processes. Hot dip galvanised frame coating is standard with colour powder coat options. Each unit is supplied with fully tested, factory assembled electrical panels containing IP rated sockets for chargers and PIR activated LED interior lighting, with external lighting options available.



Model Variants

metroSTOR PSM mobility scooter storage unit has a module width of 1250mm and is the most popular variant, accommodating standard class 1, 2 or 3 mobility scooters and allowing space internally for users to get on and off the scooter.

metroSTOR PSMX mobility scooter charging and storage unit has a module width of 1600mm, and a door width of 1200mm. This variant has been specifically developed for situations where users need additional space to get on and off their mobility scooter – for example where they have to transfer directly from a wheelchair.



Product Capacity & Dimensions

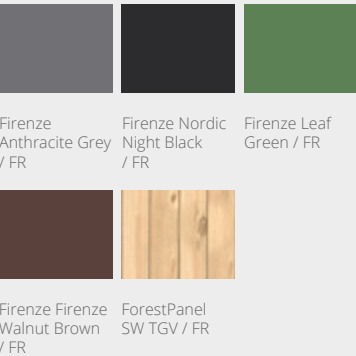
PSM

Model	Mobility Scooter Storage	Depth (mm)	Width (mm)	Height (mm)
PSM 1	1x Class 1, 2 or 3	1920	1300	2090
PSM 2	2x Class 1, 2 or 3	1920	2480	2090
PSM 3	3x Class 1, 2 or 3	1920	3660	2090
PSM 4	4x Class 1, 2 or 3	1920	4840	2090
PSM 5	5x Class 1, 2 or 3	1920	6020	2090
PSM 6	6x Class 1, 2 or 3	1920	7200	2090

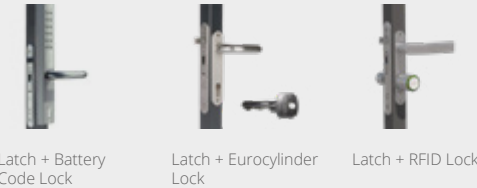
PSMX

Model	Mobility Scooter Storage	Depth (mm)	Width (mm)	Height (mm)
PSMX 1	1x Class 1, 2 or 3	1920	1640	2090
PSMX 2	2x Class 1, 2 or 3	1920	3160	2090
PSMX 3	3x Class 1, 2 or 3	1920	4690	2090
PSMX 4	4x Class 1, 2 or 3	1920	6220	2090
PSMX 5	5x Class 1, 2 or 3	1920	7760	2090
PSMX 6	6x Class 1, 2 or 3	1920	9290	2090

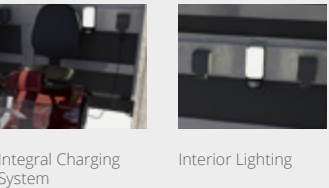
Cladding & Finish Examples



Locking Systems



Product Functionality



metroSTOR BIKE-E/ES

E-Bike and E-Scooter Storage & Charging Lockers

Greener forms of travel such as e-bikes and e-scooters are central to today's urban mobility, and metroSTOR BIKE-E and BIKE-ES Storage & Charging Lockers have been developed in response to the increasing fire risks associated with charging and storing personal mobility devices within residential buildings.

Designed to provide secure external storage with individual charging provision, the BIKE-E accommodates up to 3 e-bikes within a 2550mm x 2195mm footprint, while the BIKE-ES provides storage and charging for 6 e-scooters within a compact 2550mm x 1500mm footprint. The low-profile design is suitable for accessible and on-street locations, while the modular format supports phased delivery and future capacity expansion within coordinated site layouts.

Customisable with fire-resistant enclosure specifications, energy metering systems and a range of access control options, the clean design aesthetic communicates intent through clear e-bike and e-scooter graphics and a choice of panel colours.

Engineered for security, both locker types achieve Sold Secure Bronze accreditation as standard (excluding mechanical keypad access control options). Features include shielded locks, reinforced hinges and steel external panels with an innovative interlocking design that eliminates external fixings. Internal frame and ground fixings utilise shear-type security fixings, while welded security locking points provide convenient and secure device storage.

Manufactured from hot-dip galvanised steel throughout, including the frame, doors and storage racks, BIKE-E and BIKE-ES lockers are engineered for long service life in demanding urban environments.



Product Capacity & Dimensions

BIKE-E

Model	Storage	Depth (mm)	Width (mm)	Height (mm)
BIKE-E	3 E-Bikes	2230	2550	1490

BIKE-ES

Model	Storage	Depth (mm)	Width (mm)	Height (mm)
BIKE-ES	6 E-Scooters	1530	2550	1490

Cladding & Finish Examples



Locking Systems



metroSTOR Green Roof Structures

Green roof structures bring the enriching and enlightening natural world closer to our everyday lives while helping to safeguard our environment and its fragile ecosystems. By introducing valuable pockets of diversity into new developments, green roof structures can secure additional BREEAM or Sustainable Housing Code value. Hundreds of plant and wildlife species can be established in a few square metres, reproducing varied ecosystems in areas where the habitat has been eroded by urbanisation.

External stores are ideally suited to support green roof systems, with the lower height and simpler construction reducing construction and ongoing maintenance costs. Maintenance requirements are minimal, with an annual visit to dead-head plants and remove self-sown weed species.

As well as reducing water run-off, green roofs help to reduce the amount of CO2 in the air, with 1m2 of green roof able to absorb 5 kg of CO2 yearly. As a perspective, 1m2 of green roof can absorb the same quantity of CO2 as a regular car would emit during a 80km drive. The green plants reduce the 'urban heat island effect', helping combat the effects of pollution, absorbing noise, trapping dust, recycling carbon dioxide, absorbing and breaking down many gaseous pollutants.

Such external structures often have a significant visual impact due to their size. Specifying a green roof can help stores blend with the landscape, and improve views from surrounding buildings to create a more pleasing environment.

The ability to configure these systems consistently across bin, bike and storage units also supports design coordination for specifiers working on wider external works packages.

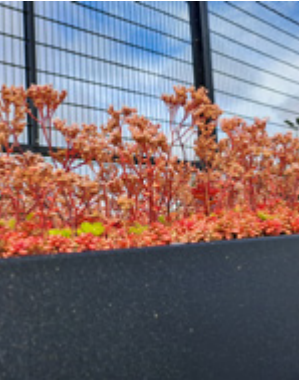


Green Roof Bin Stores

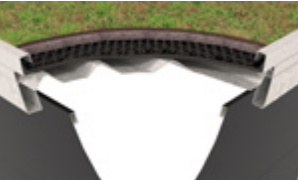
metroSTOR wheeled bin container storage solutions manufactured as bin housings, bin store units, bin lockers and bin room buildings can be specified with lightweight sedum green roof. Options align with established design frameworks used by architects, allowing the green roof assembly to be integrated into planning and BNG strategies.

Green Roof Cycle Stores

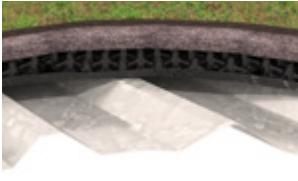
metroSTOR cycle storage lockers, units, modules and hubs can be specified in green roof formats, with the same options for panel cladding, layout, access control and cycle rack type. Custom green roof cycle stores are available. Standardised detailing also supports smoother coordination with NBS specifications and project documentation where required.



Green Roof Construction



Structural Design
Green roof structural design and manufacture in accordance with requirements of BS EN 1090 EXC2 from mild steel section with hot-dip galvanised finish.



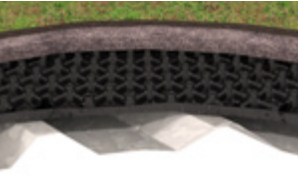
Roof Deck
Green roof structural deck is constructed from full-length trapezoidal profile steel sheet with double sided zinc and paint finish.



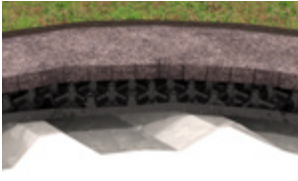
Waterproof Liner
Single sheet EPDM liner which is 100% synthetic and UV resistant with excellent puncture resistance protected by the geotextile membrane.



Root Membrane
A geotextile lining sheet preventing any damage to the waterproof liner during installation or establishment phases.



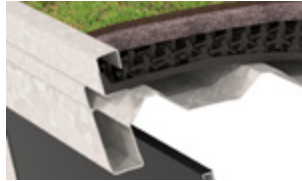
Drainage Reservoir System
A double-sided drainage and reservoir layer made from recycled plastic, which allows high levels of water retention and buffering in hot weather with rapid drainage in wet periods.



Green Roof Substrate
A growing medium made of virgin rock mineral wool fibres specially needled to form a 40mm deep compact and dimensionally stable felt, ensuring excellent water retention and conservation.



Sedum-mix Blanket
A pre-grown vegetation mat specifically designed for green roofs, sown with a blend of sedum plant varieties to provide extended interest and colour throughout the flowering period. Sebaceous sedum plants are adept at storing water in their leaves and are therefore extremely suitable for varying weather conditions.

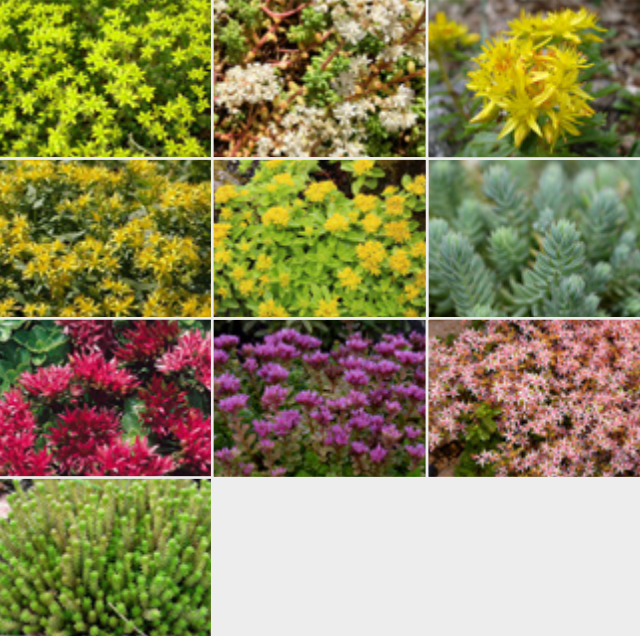


Eaves Detail & Rainwater Systems
Formed in galvanised steel sheet with a structural profile to support the membrane system and retain green roof build up. Optional powder coated finish available. Pre-formed gutter profile allows excess water to be released from the composite reservoir.



Sedum Only Roofs

Sedum-only green roof structures use a sedum turf, which can contain eight or more of the species below. This type of green roof uses a mineral wool substrate, resulting in a very light weight roof. Sedum-only green roofs are drought tolerant with minimal maintenance requirements.



Sedum & Wildflower Green Roofs

Sedum and wildflower green roof structures use a turf, which in addition to 8-10 types of sedum, contains many of the wildflowers, herbs and flowering perennials listed below. The drought tolerant sedum provides year-round cover, while the wildflower element has a prolonged flowering period, typically from April-September. The lightweight blended growing medium supports additional species. Maintenance requirements are slightly higher than sedum only with dead growth removal required at the end of the flowering season.



metroSTOR
Specifier Process

The go-to resource for specifying external bin and bike stores, metroSTOR products are designed for ease of specification, configurable to meet individual requirements and with CAD models available for immediate download.

Following metroSTOR's 5-step specifier process, we establish the use type, storage capacity need, space available and build specifications for each store:

Step 1. Capacity Requirement: What number of bins or bikes are you looking to store?

Step 2. Footprint Available: What is the available space on site for the store?

Step 3. Security Level & Fire-Rating Requirement: What level of security does the store need, and does the enclosure require a fire-rated specification?

Step 4. Specifying Finishes: What frame finish and cladding design type is required?

Step 5. Roof Design: What roof type is required?

The output CAD Model and Specification References can then be inserted directly into project drawings, saving development time with confidence in a proven design platform.

With over 65 pre-engineered metroSTOR building layouts, most external store applications can be accommodated within design variations. Bespoke design capability addresses the requirements of specific architectural design elements, planning conditions or site footprint constraints.

1. Capacity Requirement

What Number of Bins or Bikes Are You Looking to Store?

The number of bikes to be stored will usually be specified at planning stage but the information on waste and recycling bin volumes can be less straightforward to establish.

The metroSTOR team assists with the process of finding out capacity requirements, bringing specialist industry knowledge and experience in the application of planning guidance for local authorities throughout the UK.

Output from Step 1:

- Number of bikes to be stored
- Number or volume of waste and recycling storage containers to be stored



2. Dimensions Available

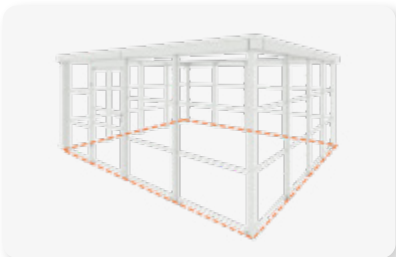
What Is The Available Space On Site For The Store?

Once the required capacity for each store has been established, we can identify the standard or a bespoke metroSTOR model that can accommodate this within the available footprint on site.

Site-specific dimensions are added to metroSTOR's building design platform with its pre-engineered store layouts and modular components. Space planning assists with waste and recycling container requirements while metroSTOR Bike Stores are configured with single or double rows of cycle racks that include two tiered rack options.

Output from Step 2:

- metroSTOR Storage Unit Model identified that can accommodate the number of bikes or bins established in Step 1
- Type of cycle rack to fit the storage unit model identified (bikes only)



3. Security Level & Fire-Rating Requirement

What Level of Security Does the Store Need to Achieve, and Does It Require a Fire-Rated Specification?

While security ratings are more relevant to bike storage and are typically specified at project planning stage, there are often access control requirements specific to ongoing usage.

metroSTOR Bike Stores are available to Secured by Design specification, independently tested and certified by the Sold Secure approval body. Sold Secure classifications (Bronze, Silver or Gold) reflect testing duration and the extent of the toolkit used to attempt unauthorised access.

Fire-Rating Requirement:

For external bin stores and e-bike charging enclosures, guidance suggests that a fire-rated specification is required where the unit is located within 6 metres of a communal residential building. Fire-rated constructions are available across relevant metroSTOR ranges to meet this requirement.

Output from Step 3:

- Security rating identified (Sold Secure Bronze, Silver or Gold)
- Access control type identified
- Fire-rating requirement identified (Yes/No, based on 6m proximity rule)



4. Specifying Finishes

What Frame Finish and Panel Cladding Design Type is Required?

Select from a wide range of panel cladding design types compatible with metroSTOR bin and bike stores to coordinate with architectural styles and deliver uniformity of design across the project.

Panel types include galvanised or colour powder coated steel, laser cut patterns in steel and a range of timber slat types. Fire retardant liner systems are available with certain cladding types. The unit steel frame and eaves detail manufactured in mild steel can be specified as HD Galvanised or Colour Powder Coated finish.

Output from Step 4 :

- Frame finishes specified as HD Galvanised or Colour Powder Coated steel
- Panel cladding design type specified

5. Roof Design

What Roof Type is Required?

Roof design specification for external bin or bike stores will be determined by a number of factors including site security requirements, planning conditions and biodiversity net gain considerations.

In standard configuration, metroSTOR external stores have a profiled steel roofing system and an enclosure only specification is available where site conditions do not require a roof covering. metroSTOR green roof is a lightweight system integral to the building design and available in sedum only or sedum and wildflower specification.

Output from Step 5:

- Enclosure only, steel profile roof or green roof specification selected
- Fire resistant requirements identified

A selection of our case studies. Scan the QR code to view the full range of proven product installations.

1



metroSTOR PCH Cycle Stores The Cocoa Works – York

As part of the regeneration of the historic Cocoa Works site in York, metroSTOR supplied bespoke PCH Cycle Stores to support secure cycle parking for residents. Specified by Weedon Architects and delivered in collaboration with Henry Boot Construction, the units combine timber panel cladding with Z-Panel V-Mesh security finishes, integrating with the development's heritage character while providing robust, modern storage. The scheme forms part of the wider transformation of the former Rowntree factory into 279 homes with landscaped gardens and shared spaces, bringing new life to one of York's most significant industrial buildings.

2

metroSTOR PTH Peffermill, Edinburgh

Read the case study on page 33

3



metroSTOR BIKE-S Indurent Park, Gatwick

4



metroSTOR PBM Manchester City Centre

5



metroSTOR PCH Canterbury

6

metroSTOR PBM and PCH Victoria Road, Portslade

As part of the Victoria Road residential development in Portslade, Brighton and Hove City Council worked with Morgan Sindall Construction to deliver 42 new affordable homes. Supporting the scheme, metroSTOR supplied PCH Cycle Stores and PBM Bin Storage Housings to provide secure cycle parking and organised waste containment. Finished with ForestPanel timber cladding and sedum green roofs, the units support the project's sustainability goals while improving waste separation and fire safety on site.



7



metroSTOR PBM and PCM Sighthill, Glasgow

As part of the £250 million regeneration of the Sighthill Transformational Regeneration Area in Glasgow, metroSTOR supplied a package of external storage infrastructure for newly built homes delivered by Keepmoat Homes. Over 30 units were installed across the development, including PBM Bin Storage Housings for communal waste containers and PCM Cycle Storage Units providing secure parking for 84 bikes. Finished with ForestPanel slat cladding pre stained to the client's specification, the units maintain a consistent architectural appearance across the site while supporting efficient waste collections and secure cycle storage for residents.

8

metroSTOR PCH Two Humber Quays, Hull



9



metroSTOR PCH East Ham Town Hall Annexe, London

10



metroSTOR PBM Coopers Hill, Bracknell

Scan to explore proven case studies demonstrating how well specified infrastructure supports successful project outcomes



www.metrostor.uk/case-studies/



About metroSTOR

Accelerating the shift towards sustainable communities, our product systems deliver on the metroSTOR Safer Neighbourhoods, Cleaner World methodology; reducing fire risk and waste costs, while improving local environments and helping deliver sustainability targets.

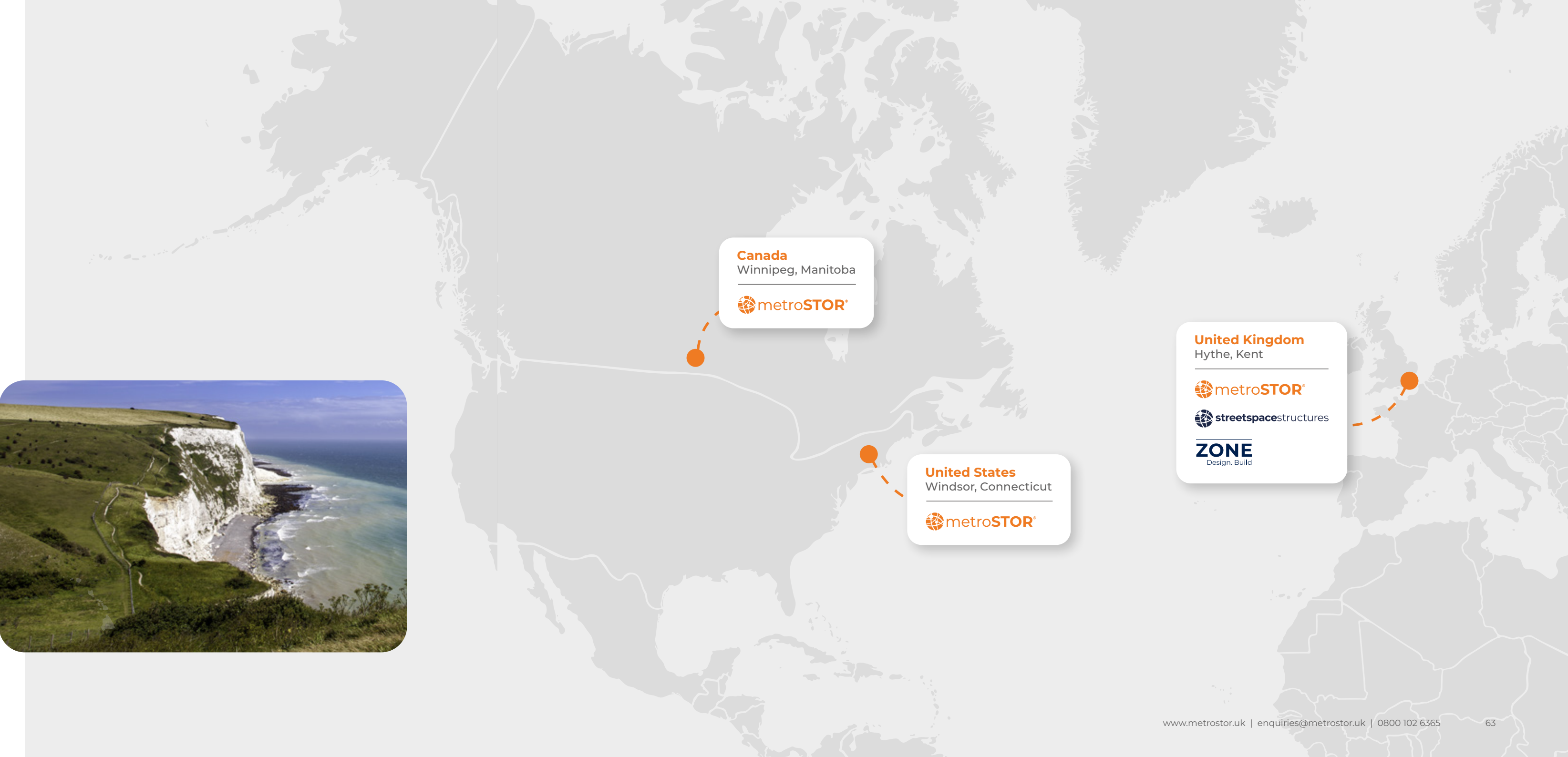
Developed to withstand the rigours of the urban street scene, over 20,000 metroSTOR external storage units have been installed over the past decade, earning a reputation for rock-solid durability and proven effectiveness.

Working closely Local Authorities enables our continuous product development programme to respond directly to evolving sector challenges. From the outset it was clear to the founders of metroSTOR that a 'one size fits all' mantra would not work in such a varied environment and this way of thinking has created one of the most comprehensive range of surface and below ground waste and recycling storage solutions in the world.

metroSTOR bin stores secure waste and recycling safely, preventing bin fires from spreading. Designed for ease of use with clear signage and strong colour coded visual messages, our bin housings make the identification of correct bin containers simple, increasing recycling rates and reducing contamination of waste streams. Keen advocates of communal street bins for those hard to reach locations that include multi family, on street and flats above shops, metroSTOR specialist consultants bring years of experience in the design of bin enclosure facilities to help residents successfully recycle, carefully specified to ensure successful operation.

Greener forms of travel such as e-bikes, e-scooters and mobility scooters are central to today's urban communities and metroSTOR secure external storage and charging facilities are designed to reduce fire and theft risks for personal mobility devices.

Our Safer Neighbourhoods, Cleaner World methodology has made us passionate believers in wise investment strategies that improve the quality of life in our communities, in turn becoming successful generators of sustainable social, economic and environmental outcomes. In our experience, inadequate storage facilities invariably have a negative impact on physical and mental well-being, whether this be the daily trip to the bin-store with its overflowing bins, vermin and antisocial elements or having nowhere to store buggies, bicycles or personal mobility devices safely. These are the challenges metroSTOR products resolve every day.



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