



mavin POWERCUBE™

CUSTOM CONTAINERISED CRITICAL INFRASTRUCTURE



Mavin Powercube British built, award-winning, 100% custom, end-to-end containerised and modular build Critical Infrastructure Solutions.



For more information
please contact us today:

T: +44 (0) 845 612 1155

E: contact@mavin.global

www.mavin.global

OUR PROPOSITION

Create a key differential for our clients by raising the bar for deliverable infrastructure standards within the marketplace

Tailored solutions providing a unique fit for your critical infrastructure

Mavin Powercube design, build and maintain award-winning, scalable and secure Containerised Transformers, Substations, Modular DataCentres, Signalling and Equipment Rooms (SER), Train Movement Rooms (TMR), Electrical Switch/Transformer Rooms (ESR), Communications Equipment Rooms (CER), Emergency Service Network Rooms (ESNR) and modular buildings. Our British designed and built solutions deliver a 100% custom, end-to-end solution, including feasibility, concept, detail design, full environmental preparation, power presentation, module fabrication, delivery and

installation, holistic project management and full support wrap services.

Mavin Powercube has various design concepts incorporating a calculated balance between traditional, current and next generation ideologies. Referenceable within the Public and Private sectors, across Rail, University, NHS and Defence clients, our turn-key solutions are designed to maximise efficiency and space. We provide scalable, robust, resilient and redeployable critical infrastructure environments, entirely tailored to our client's individual operational requirements.



"The decision to implement Mavin Powercube's CMDC Solution was driven by the necessity to partner with a DataCentre design and build specialist who would work pro-actively through the project's life-cycle, deliver an end-to-end solution and ensure that the operational result met with the business' evolving requirement and expectations."

Head of IT, UK NHS



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

INNOVATION

Innovation is delivered not only through the physical custom and scalable nature of our containerised solutions, and the progressive, increasingly environmentally aware technologies contained within, but also via the capacity to provide client organisations with the ability to manage their capital expenditure more effectively. This is achieved by providing a 'plug & play', 'pay-as-you-go' architecture that enables tangible, real time, capacity planning.

Furthermore, Powercube containerised critical infrastructure is an example of Modern Methods of Construction (MMC), which offer a more efficient, sustainable, and cost-effective alternative to traditional building methods. Construction times are reduced, waste is minimised, and the carbon footprint of the build is significantly lowered.

Additionally, Powercube solutions can help to reduce downstream carbon emissions by improving energy efficiency, using sustainable materials and optimising transportation, all of which are essential to reducing overall carbon emissions and mitigating the impacts of climate change, whilst supporting an organisation in meeting the government's sustainability targets.



Mavin Powercube's commitment to innovation has been recognised at the Data Centre Awards, DCS and SVC Awards, Rail Business Awards and ICT Excellence Award for best value added service.



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

FEATURES AND BENEFITS

Custom, modular, scaleable and sustainable Critical Infrastructure solutions built using Modern Methods of Construction (MMC)



Lower Cost @ circa 30-40% less than traditional bricks and mortar build costs



Built off-site, using Modern Methods of Construction (MMC), mitigating lengthy site disruption and reducing H&S risks



Lead times significantly reduced due to Modern Methods of Construction



Easy relocation and or re-purpose



Easily scalable even without increasing footprint



Increased sustainability, more energy efficient, with eco-friendly options and less carbon emissions from build*



Modular harmonisation, with wide ranging innovative custom build options

*Compared with traditional build methods.

AVAILABLE VIA PUBLIC SECTOR FRAMEWORKS

Our solutions are available via several public sector frameworks. Get in touch for full list of options.



DESIGN AND CONCEPT

Creating a balance between traditional, current and next generation

Mavin Powercube has various design concepts incorporating a calculated balance between traditional, current and next generation ideologies.

All concepts are designed to maximise efficiency, space requirement and provide scalable, fit-for-purpose environments for individual user requirements.

Available in single or multiple formats, in a range of sizes and internal layouts, fitted with fully ruggedised technologies as required, our solutions can incorporate both ballistic and LPS 1175 SR rated finishes to provide operational integrity in the harshest environments. Our Containerised Modular Critical Infrastructure solutions are the 'go anywhere' solution.



"The Team at Mavin Powercube have been with us every step of the way from conceptual design right through procurement, installation, configuration and into production. Additionally, they have supported our full Business Continuity setup, testing and validation process required to support a full ERP implementation."

Head of DataCentres, MoD



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

ASSOCIATED METRICS*

Capital Cost Saving



61%

Mean Cost Saving across other construction methods

Construction Vehicle Carbon Emission Saving



88%

Mean Carbon Saving across other construction methods

Time Saving – Reducing Site Disruption



51%

Mean On-Site Time Saving across other construction methods



*Metric Data obtained/calculated from TfL, Gov.uk and Accelar with thanks. Related to recent Powercube/TfL project.

"From start to completion our Data Centre project was handled in a knowledgeable and professional manner. The team were flexible and easy to work with and delivered the project to a very high standard. I'd have no hesitation in recommending Mavin Powercube."

Senior Projects Manager - Mid and South Essex University Hospitals NHS Trust



For more information please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

PREPARATION

The level of physical site preparation varies depending upon the deployment location, accessibility of power, ground conditions and the historic use of the environment.

The pre-surveys and planning of required 'ground-works' is critical to managing time-to-deployment and of course, cost. Mavin Powercube manages your entire project end-to-end, ensuring intelligent, high calibre services throughout.

From the ground up: finest engineering provides a strong foundation



MAVIN POWERCUBE SITE BUILD PREPARATION

End-to-end services supporting your project from concept to completion



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

BUILD

Mavin Powercube creates individually designed modular solutions with state-of-the-art precision

We build each client's containerised modular solution from the ground up, off-site, combining the latest energy efficient composites with specific design requirements, which support deployment agility, future scalability and fit-for-purpose operation.

We utilise Modern Methods of Construction (MMC), which can offer significant benefits, including reduced construction times, increased precision and accuracy, improved sustainability, and reduced costs. Off-site build also provides minimal site disruption and reduced health and safety risks.



"I personally thank you for your professionalism, flexibility, technical support and ability to deliver to what were extremely tight constraints. I highly recommend Mavin Powercube as a strong and flexible turn-key alternative to the traditional bricks and mortar Datacentre."

Infrastructure Programme Manager - Brunel University



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

DEPLOYMENT

Modular solutions may be deployed as a standalone structure or internally within a host building

Our solutions offer flexible deployment options worldwide, whether through conventional shipping methods or non-conventional transportation. Mavin Powercube provides assistance with route planning, transportation deployment, and on-site installation upon arrival. We're always happy to discuss project requisites with our clients.

Our modular solutions are designed to be easily relocated, making migration quick and economical for organizations. As an asset to your organization, our solutions are moveable and adaptable, capable of managing operations in a variety of environments, both natural and man-made. With our fast and efficient off-site build process, minimal disruption occurs on the project site.

The Mavin Powercube Advantage: Universal Adaptability

We can design in specific features to manage operations in all kinds of natural and man-made environments. Off-site build is fast and efficient, and creates minimal site disruption.



UNIVERSAL ADAPTABILITY

Powercube's universal adaptability is the key to navigating the ever-changing tides of market demands, allowing us to flex and flow, and achieve an optimal solution for every environment.



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

AS DESIGNED AND BUILT FOR TfL

Mavin Powercube is a TIES Living Lab Strategic Partner

The TIES (Transport Infrastructure Efficiency Strategy) Living Lab is a transformative collaboration focusing on I/O infrastructure, data research and digital demonstrator projects.

Mavin Powercube is one of 25 partners of the TIES project, which seeks to enable real-life demonstrators of the very best data and digitalisation techniques, providing tools the construction industry needs to improve the cost efficiency of projects, drive down delivery times and reduce projects' carbon footprints.

One of four Physical Demonstrator Projects within the TIES Living Lab, the project supplied by Mavin Powercube is managed by Transport for London (TfL).

This newly innovated, custom modular Signalling Equipment Room (SER). The client, TfL, want to evolve their SER environments quickly and efficiently, utilising Modern Methods of Construction (MMC). As an example of this, the Powercube is a British, custom designed and built, containerised, re-deployable, flexi-environment.



"Mavin Powercube's commitment to excellence was evident at every stage of the SER project. The team worked through complex challenges to ensure that the project was completed on budget, to an incredibly high standard, and compliant to the project's requirements."

Senior Projects Manager - Transport for London



For more information
please contact us today:

T: +44 (0) 845 612 1155
E: contact@mavin.global
www.mavin.global

COMMISSIONING

Ensuring your Powercube solution is 100% ready for deployment and installation is all part of the service

Dedicated to your project, the Mavin Powercube team will work efficiently and effectively with your project team to rigorously check, test and double-check that all individual components function according to design and that the overall solution is operating correctly and in line with the project designated industry standards.



Achieving an industry recognised 'Green Efficiency' status is high on the list of operational design requirements for the majority of our clients. Mavin Powercube's Containerised solutions provide the platform for achieving this.

**Get in touch with the
Mavin Powercube team on:**

+44(0) 845 612 1155
contact@mavin.global

