



# Technical Prefabricated Solutions

Technical Prefabricated Buildings  
Expertly Engineered



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...providing clients with complete agility, delivering a scalable approach to planning and design, as well as eliminating the need for traditional ‘bricks and mortar’ buildings.

## Technical Prefabricated Solutions

Workspace Technology offers a unique range of flexible and efficient Technical Prefabricated Modular & Mobile Buildings suited for a wide range of applications including:



Data Centre



Telecoms



Sensitive  
Compartmented  
Buildings



Power



Other Specialist  
Applications

Unlike traditional bricks and mortar buildings where relocation is not possible, our modular and mobile pre-fabricated solutions allow portability and flexibility of deployment. Our Prefabricated production facility allows technical buildings, pods or cabins to be pre-engineered, tested and commissioned prior to delivery in a controlled environment.

This agile approach allows your organisation to closely couple data centre, telecoms, power or security infrastructure expansion and associated capital investment in line with capacity demands.







## Technical Prefabricated Applications

### Data Centre

Our range of Prefabricated Mobile Data Centre solutions will deliver power and cooling for the most demanding of applications whilst helping to protect ICT from hazards.

This scalable approach reduces data centre deployment from years and months to weeks, providing a pay-as-you-grow infrastructure to match your compute requirements whilst bringing your data closer to the source, improving latency speeds, control, security and accessibility.

### Telecoms Cabins

Our Telecoms Cabins support a wide range of applications including Fibre Repeater & Exchange (FEX) Cabins, 5G Base Stations and Tower/Radar Equipment Enclosures to name but a few.

Our design team can create bespoke buildings to support the unique power & cooling demands of each application ensuring effective use of space whilst maximising energy efficiency and reducing ongoing operational costs.

### Sensitive Compartmented Information Facility (SCIF)

Workspace Technology's Technical Fabrication capability includes the design & build of bespoke modular or portable Sensitive Compartmented Information Facility (SCIF) buildings.

These secure buildings are designed for communicating sensitive information for national security, national defence and intelligence parlance for military, government or corporate applications. Our SCIFs incorporate physical and acoustic protection and Electromagnetic & RF Shielding.

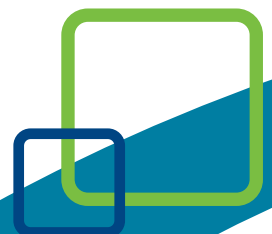
### Power Pods

Technical Prefabricated Building solutions includes the provision of Power Pods designed to support AC and DC power applications. Examples include Battery Backed DC Power Shelters, Power Source Aggregators for remote Telecoms and LV Power Plant Pods. Our Electrical Engineers will develop bespoke designs to address individual client requirements.

### Other Specialist or Bespoke Applications

Where there are specialist or bespoke applications to design and build Technical Housings Workspace Technology's team are happy to engage and develop solutions for clients. Typically, bespoke designs will involve a range of engineering challenges including but not limited to electrical and cooling infrastructure, security, monitoring and management systems. Example projects include:

- Bespoke Closed-Loop Equipment Racks & Cooling Cubicles for Naval Applications
- Defence Sector Secure Radio Transmission Head End & Workshop Facility.
- Secure UPS & Power Housings



## Technical Prefabricated Technical Fitout



**EcoDesign™** - Focused on energy efficiency and based on a set of 'common sense' design principles EcoDesign™ will positively contribute to the energy efficiency and performance of your Prefabricated facility.



**Construction** - creating the 'technical' space. We can offer standard construction or fully certified LPS1175 SR2 to SR6 or CPNI rated pre-fabricated construction where enhanced cabin physical protection is required.



**Cooling** - cooling & airflow management solutions. Dependant on rack densities we can select from a wide range of cooling technology from leading manufacturers. When combined with airflow management solutions we ensure maximum cooling & airflow efficiency is achieved.



**Fire Protection** - fire detection & suppression systems. Workspace Technology will incorporate robust and reliable fire detection and suppression systems as part of a turnkey Prefabricated technical fitout.



**Technical** - racks, cabling & technology. Workspace Technology offers a range of technical services including ODF frames, equipment racks & accessories, structured cabling, fibre optics and security systems that include Intruder Detection Systems (IDS), Access Control Systems (ACS) and IPCCTV.



**Electrical** - power infrastructure- We will design and install a complete electrical infrastructure including Switchgear, Rectifiers, Battery Systems, UPS's Generators, lighting and distribution in accordance with application requirements.



**Management & Monitoring** - environmental monitoring & management systems - We offer bespoke management & monitoring systems to suit individual applications from leading manufacturers including Schneider Electric.

## Technical Prefabricated Building Key Features



**Cost Effective** - typically, a prefabricated solution will reduce overall capital expenditure by over 40%.



**Telecoms / Server Ready** - pre-engineered, wired ready for instant deployment of servers or fixed line or mobile telco equipment.



**Future Proofed** 'Pay-as-You-Grow' Infrastructure.



**Scalable** - Modular 'right size' designs and configuration.



**Pre-Engineered** Telecoms Cabins, Power Pods or Mobile Data Centre Technology for 'Plug and Play' Deployment.



**Rapid System Deployment** - quick and simple with minimum onsite preparation needed.



**Re-deployable** - reusable at different locations when required.



**Low Energy** - creates an environmentally greener telecoms or data centre environment.







## Deployment Services

### Site Preparation

Workspace Technology's Prefabricated Data Centre, Telecoms Cabin, Power Pod or SCIF solutions are typically pre-tested and commissioned so that they are fully 'server / telecoms ready' when delivered to site.

Workspace Technology offers a range of holistic Planning & Preparation services including structural design, Geo-Technical and GPS Surveys, groundworks, service ducts, provision of Mechanical & Electrical infrastructure and Copper & Fibre I.T cable as required to provide a complete working system following delivery.

### Delivery & Hook-up & Site Acceptance

Following the successful completion of Factory Acceptance Testing Workspace Technology will provide a complete contract delivery including transportation, cranning and the hook-up of I.T, power, & mechanical final links. Once all service connections are complete and fully tested a final Site Acceptance Test will be performed in advance of client handover.

Our Project Team implements a strict design, review and agreement regime to ensure first time success delivering engineering excellence and innovation for all our clients across various industries and professional applications.

More information on our Technical Prefabricated Buildings can be found on our Website [www.mobiledatacentre.com](http://www.mobiledatacentre.com) and also available upon request.

## Other Services

### Maintenance & Support Services

When it comes to supporting your Data Centre, Telecoms Cabin or SCIF infrastructure we offer a wide range of services to suit your business's demands. We are experienced and qualified to effectively support all your building and key equipment including; air-conditioning systems, chilled water systems, UPS, generators, fire suppression systems, environmental monitoring technology, DCIM and associated mission critical infrastructure.

### Data Centre Solutions

When it comes to data centre design, build and management, Workspace Technology delivers award-winning solutions for organisations across the UK. We have simplified the architecture from which we design and build data centre infrastructure and associated technology to support client availability, agility, energy efficiency and business needs.

Whether you require a state-of-the-art on-premise data centre build or if space and accessibility is a challenge a Modular or Micro data centre, you can be assured that Workspace Technology will deliver a quality, agile and sustainable solution.

## Why Use Workspace Technology?



**Design Excellence** – With 16 years experience our in-house Design Team provides multi-award winning, highly efficient innovative Prefabricated Data Centre, Telecoms Cabin and Sensitive Compartmented Information Facility buildings.



**Pentagon 360 Service** – by opting to use Workspace Technology clients can benefit from our Pentagon 360 offering, a unique service providing Consultancy, Design, Build, Maintenance and on-going Optimisation services during the lifetime of your prefabricated facility.



**Innovative Technology** – we deliver the ultimate in high efficiency Telecoms Cabin, Data Centre and Power Pod infrastructure with innovative solutions based on robust engineering principles.



**Approved Partners** – we hold longstanding and accredited partnerships with many of the world's largest power and cooling technology specialists.



**Designed & Built In The UK** – our prefabricated technical buildings are designed, fabricated, and built in the UK ensuring a high proportion of value is retained within the UK economy.



**Accredited Organisation** – our experienced Project Managers set the highest standards in delivering Data Centre, Telecoms Cabins, Power Pods and associated infrastructure. We are an ISO9001/14001 approved as well as CHAS and Safecontractor (SSIP) accredited.



**UK & European Delivery** – we can provide deliver to both UK and European destinations.



Interested in finding out more?

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