



Technical Prefabricated Solutions

**Technical Prefabricated Buildings
Expertly Engineered**

“

...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



Sensitive Compartmented Buildings



Telecoms



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 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.

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 TM** - Focused on energy efficiency and based on a set of 'common sense' design principles EcoDesign TM 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, SR3 or SR4 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 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 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

All our Prefabricated solutions are pre-tested and commissioned so that they are fully 'server or telecoms ready' when delivered to site. The MDC is designed with a simple arrangement for connection to power and water. Within the 'hook up' enclosure there is a three-phase connection point for power, copper and fibre ports for I.T and water/waste for AC systems.

Workspace Technology provides holistic installation services incorporating site civil works structural design services, concrete base construction, security fencing and installation of service ducts as well as electrical and I.T cabling and associated mechanical services pipework and plant.

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

More information on our Technical Prefabricated Solution can be found on our Website www.mobiledatacentre.com and also available upon request.

Other Services

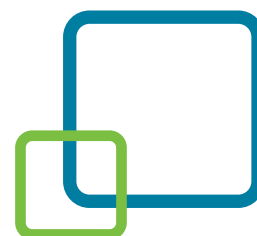
Maintenance & Support Services

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.



UK & European Delivery – we build our solutions at our facility in Sutton Coldfield West Midlands and can deliver to UK and European destinations.



Innovative Technology – we deliver the ultimate in high efficiency Telecoms Cabin & Data Centre 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.



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



Interested in finding out more?

Call us: 0121 354 4894

Email us: sales@workspace-technology.com

www.workspace-technology.com