

About Us



Global EMC specialise in the production and installation of Faraday cage shielding and anechoic chambers. We offer bespoke turnkey solutions that meet our customers' manufacturing demands, facilitating the process with precision engineering and outstanding attention to detail.

Our History

With almost 30 years' experience in the industry, Global EMC is recognised internationally as the expert in all forms of electromagnetic and RF Shielding, Secure Shielding Facilities, EMC and Anechoic Chambers, and is uniquely placed to identify the needs of clients. We work with them to identify the best solutions to the most complex of projects.

Located in central England, Global EMC has successfully delivered projects in multiple countries internationally. Global EMC has a proven track record providing solutions for some of the world's most prestigious clients, including the Government, the MoD, Law Enforcement Agencies and commercial clients as well as research companies and universities.

Global EMC's commitment to innovation and excellence is powered by continuous investment in R&D. This allows the company to meet the needs of clients and ensure that the project management and solutions implemented are of the highest standard, from initial concept through to installation.



Seamless Integration

Global EMC can seamlessly integrate a test chamber, SCIF or RF shielded room into your existing premises, whilst minimising the impact on the building.

Global EMC professional installation teams will deliver the custom-made solution as designed by our team to the exacting standards that have been agreed. Where appropriate, Global EMC will deploy its own qualified installation team that meets several security clearance levels, with all team members carrying DBS and BPSS accreditation.

Global EMC takes great pride in the internal fit-out to create great working environments that can, where specified, match existing office fit-outs across the wider infrastructure of an organisation or company. In addition, Global EMC can install high-performance acoustic linings as part of the installation.

All Mechanical and Electrical services can be included without compromising the RF shielding performance.



At Global EMC our mission is:

"Through technology and electromagnetic compatibility-based knowledge, Global EMC delivers expert security solutions that bring integrity and innovation to high-performance test chambers, niche secure speech and forensic working environments."

"Bespoke solutions are developed from initial concept through stringent design, manufacture and installation processes to meet the exacting specifications of each customer."

GLOBAL EMC

International experts in all forms of Electromagnetic and RF Shielding, EMC and Anechoic Chambers, Secure Shielded Facilities and Portable Enclosures.



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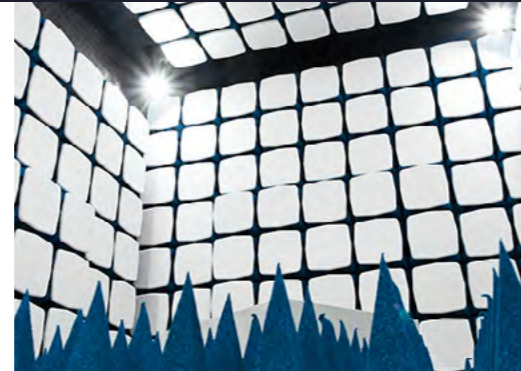
Anechoic Test Chambers

At Global EMC we offer a diverse range of anechoic test chambers. Each chamber is designed specifically to meet your test standards and application.

From Pre-compliant testing, complaint EMC, automotive, military or antenna measurement, Global EMC can design, manufacture and install a test chamber to your exact requirements. Our products include:

3m Compliant EMC Test Chambers

SAC-3m-C (semi-anechoic) and FAC-3m-C (fully anechoic) test chambers are suitable for compliant immunity tests and emission tests at a measuring distance of 3 metres. Designed to meet your exact requirements, typical standards include CISPR 16-1-4, EN61000-4-3, CISPR 11, CISPR 32 as well as military standards.

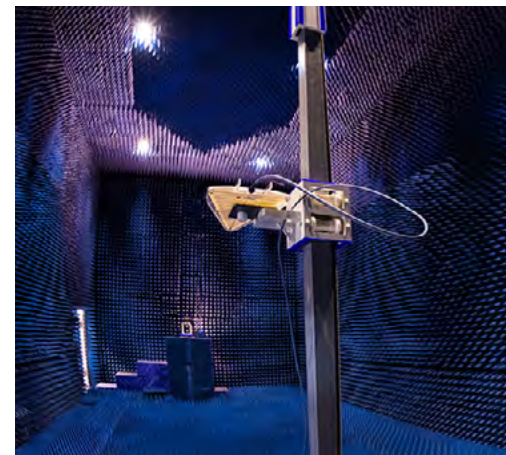


10m Compliant EMC Test Chambers

SAC-10m-LP and SAC-10m-FH are our 10m compliant semi-anechoic test chambers for compliant emission and immunity testing to a measuring distance of 10 metres. Available using 2-metre-long pyramid absorbers (LP) or ferrite and hybrid absorbers (FH), our range is bespoke and tailored to meet your testing requirements and the dimensions of the equipment under test. Typical standards include CISPR 16-1-4, EN61000-4-3, CISPR 11, 25 and 32 as well as military standards.

Military Test Chambers

All our compliant DEF STAN 59-411, RTCA DO-160 and MIL-STD-461 test chambers are specifically designed and manufactured to the exact requirements of the varied and heavy-duty testing required by the military.



Antenna Measurement Chambers

With almost an unlimited number of options, we can provide antenna measurement chambers from simple R&D facilities to larger near/far field test chambers. Using strategic partners, we can offer full turnkey solutions to meet individual testing requirements.

Bespoke anechoic chamber solutions for testing antennas, radomes, and Radar cross-section.

Faraday Cages & Shielded Enclosures

Faraday cages are referred to under a variety of other names, including shielded rooms or RF/EMI chambers. Each creates an enclosure free from ambient signals that are present in the host building, such as blocking mobile phones, radio waves and WiFi signals.

Our products include:

Forensic / Shielded Rooms

We offer a wide range of shielded rooms for RF/EMI, Forensic, TEMPEST, NEMP and HEMP shielding.

The Global EMC Forensic Rooms are fully certified to EN 50147-1 and work for all wireless signals from 200kHz to 40GHz. They are used for evidential purposes and storage of digital assets to eliminate the risk of them being remotely accessed and wiped.

The size and application of all our shielded rooms are almost unlimited. Global EMC has delivered projects from compact cabinets through to aircraft hangers. All rooms can be offered as part of a turnkey solution tailored to your specific requirements.



SCIF's – Sensitive Compartmented Information Facility

Global EMC has designed and installed several SCIFs and Secure Speech Rooms for Government, military, MoD, Police and Law Enforcement applications as well as other commercially sensitive high-security installations.

All solutions are installed using our qualified team members who are DBS, BPSS and SC accredited (as a minimum).

RF Shielded ISO Shipping Containers

RF Shielded enclosures are used when real estate is an issue or if a portable deployable solution is required.

The containers are provided to ISO standards and are available in 20-foot (6.07m) and 40-foot (12.2m) sizes and can be fitted out with a full office-style interior featuring air conditioning and electrical installation.



Portable RF Shielding Solutions

Forensic Evidence Box, Secure Enclosures for Mobile Phones (SEMP), and Secure Enclosures for Digital Assets (SEDA)

Global EMC's Forensic Evidence Box (FEB), Secure Enclosure for Mobile Phones (SEMP) and larger Secure Enclosure for Digital Assets (SEDA) are designed to eliminate all connectivity to smartphones and digital devices. Eliminating connections over the widest range of frequencies ensures that a phone or other digital asset inside the enclosure remains safe from remote lock and wipe commands and is protected from GPS signals to prevent location tracking.



High-performance shielding is standard. Every secure enclosure model is tested to EN50147-1 and certified – essential to meet Forensic ISO standards. The Forensic Evidence Box (FEB) is specifically designed for secure crime scene collection and transportation of seized mobile phones in readiness for mobile phone triage.

The Secure Enclosure for Mobile Phones (SEMP) and Secure Enclosure for Digital Assets (SEDA) are deployable in the field or within environments where protection is required as secure storage for mobile phones, tablets and laptops, and are designed to be scalable to allow users to transport and store more than one digital asset.

Professional Support Service

In addition to the Global EMC range of standard and bespoke products, Global EMC can provide the following additional support services:

- Shield testing – RF testing & Shield Effectiveness Validation.
- Acoustic testing service – sound attenuation noise surveys.
- Magnetic field survey.
- Chamber/room maintenance agreements – maximise the ROI and longevity of your investment with regular maintenance programmes.
- Consultancy & Research Papers – through our in-house expertise and connections with several UK universities, Global EMC produces technical research papers for a wide range of clients to assist them with their business.



We always put the customers' requirements first in everything we do; working with each individual customer to develop a bespoke solution to meet their exact specifications, on time and within budget.