

# MAINTENANCE SERVICES

FOR SHIELDED ROOM & ANECHOIC CHAMBER

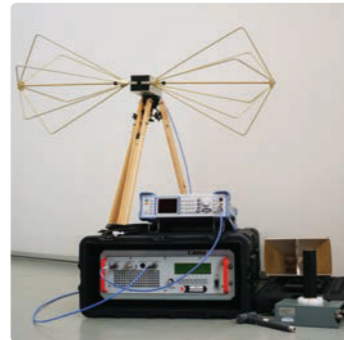
Your Comprehensive  
EMC Solutions Provider

# MAINTENANCE SERVICES For Shielded Room & Anechoic Chamber

We offer a comprehensive range of test and consultancy services in all areas of electromagnetic environments including defence, commercial and rail applications. Leveraging many years of experience in this field, our team has accumulated a strong foundation and proven track record in all aspects of EMC including both technical and commercial applications.

We have the experience and expertise to conduct product, system and platform level testings that adhere to military specifications, EMC directives or any international EMC standards.

Our dedication to provide quality and efficient services has earned the trust and confidence of numerous satisfied customers who continue to use our EMC services and solutions.



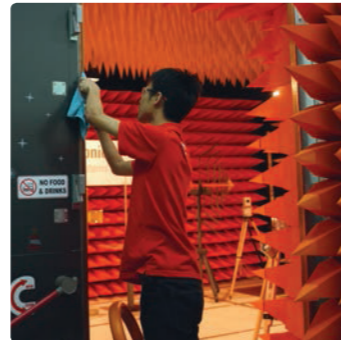
## MAINTENANCE SERVICES

We provide tailored and cost-effective solutions to ensure RF shielded room and anechoic chamber operate in optimum condition.

Our services range from scheduled maintenance to ad hoc repair services and shielding effectiveness measurement.

The scope of work for a standard scheduled maintenance includes inspection, cleaning, replacement of conductive fingers / gaskets and alignment of the RF door.

Regular maintenance is important for shielded room and anechoic chamber to achieve optimum Radio Frequency (RF) shielding performance.



This is especially crucial if the shielded facility is conducting qualification measurements or protecting sensitive data processing equipment against high power Intentional Electromagnetic Interferences (IEMI) and unauthorised electronic eavesdropping.

Shielded room and anechoic chamber which are not regularly maintained will degrade their shielding performances over time and cause unintended downtime. This can cause major issues such as losses in revenue or compromise of critical data.

Degradation can be due to wear and tear of movable parts of the shielded room and anechoic chamber.

## MAINTENANCE SERVICE LEVELS

We offer 3 types of maintenance service levels performed by our qualified personnel.

Service Level	Coverage	Maintenance Service	On-site Response
Preventive Maintenance	Business Hours: Weekdays (9am to 5pm)	Phone Support 24/7 standby	2hrs to 4hrs subject to user requirement during business hours
Comprehensive Maintenance	24/7 Service	Phone Support and On-site Support: 24/7 standby	2hrs to 4hrs subject to user requirement
Ad hoc Maintenance	Business Hours: Weekdays (9am to 5pm)	On-site Support	Will be arranged at the earliest availability

## GENERAL SCOPE OF MAINTENANCE WORK

- Inspect and replacement of damaged copper fingers / gaskets of shielded door
- Inspect door alignment and RF door frame. Fine-tune door-closer mechanism
- Check surface temperature of power filters by using a thermal imager
- Inspect the condition of door leaf and provide repair services
- Shielding effectiveness measurement service

## SHIELDING EFFECTIVENESS MEASUREMENT SERVICE

We offer shielding effectiveness measurement and troubleshooting services for all types of RF enclosure and chamber. Calibrated test equipment are used to ensure accurate and repeatable test results. Test reports are included.

**IEEE Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures**  
IEEE Std. 299

**Anechoic Chambers - Part 1: Shield Attenuation Measurement**  
EN 50147-1

