

Architecturally shielded rooms

Purpose:

Full use of the space within an existent building with a view to achieving a shielded enclosure for information measurement and protection

Performance: minimum noise attenuation 60 dB



Example of achievement

Architecturally shielded room for a laboratory for SAR evaluation and certification at mobile phone terminals

Size: 4 x 4 x 2,5 m



B-dul Decebal 118A
200746 Craiova, Romania
Phone: +40 351 404 888; +40 351 404 889
Fax: +40 251 415 482; +40 351 404 890
E-mail: market@icmet.ro; testing_services@icmet.ro
www.icmet.ro



I

C

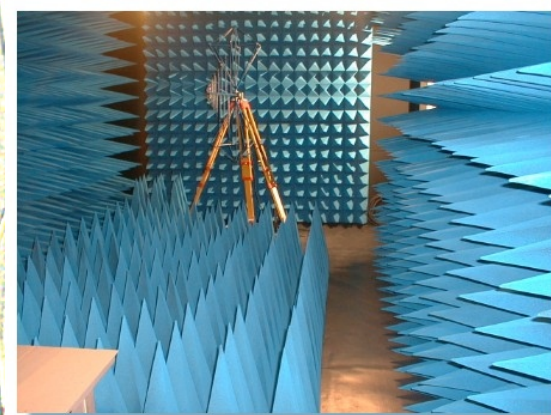
M

E

T

RESEARCH, DEVELOPMENT AND TESTING
NATIONAL INSTITUTE
FOR ELECTRICAL ENGINEERING

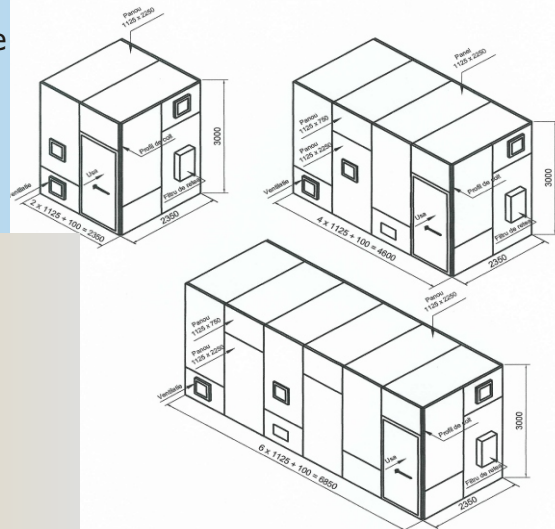
SHIELDED ROOMS AND ANECHOIC CHAMBERS



ICMET Craiova has the necessary expertise and can provide turnkey (design, manufacturing, installation and testing) shielded anechoic / semi-anechoic chambers with modular structure and architecturally shielded rooms

Shielded rooms with modular structure

- **The modular structure** uses standard panels to ensure a good flexibility in order to achieve the construction of shielded rooms to any size needed.



Size:
 2350 x 2350 x 3000 mm
 4600 x 2350 x 3000 mm
 6850 x 2350 x 3000 mm
 Other size on request

Shielded door :
 crossing size 850 x 1965 mm
 three layers of electromagnetic gaskets

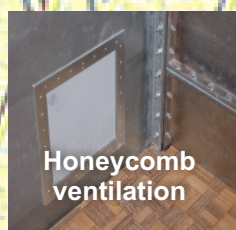
Ventilation
 2 air holes 300 x 300 mm
 or 400 x 400 mm

Power-line filter
 in accordance with requirements

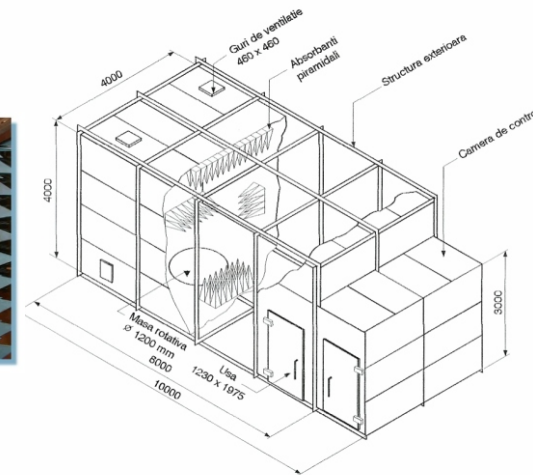
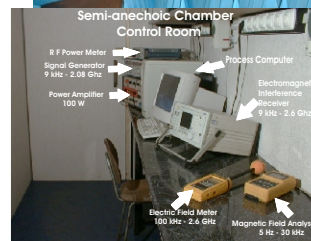
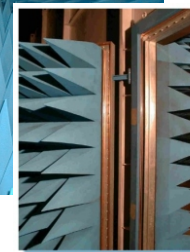
Electric installation
 fully equipped (cable routes, cable, 2 or 4 luminaires, sockets, switches, etc.)

Crossing panels:
 in accordance with requirements

Floor:
 pressed wood panels



Anechoic/Semianechoic Chambers



Example of achievement

- **Inner dimensions:** 8000 x 4000 x 4000 mm
- **Measurement distance:** 3 m uniform field in accordance with SR EN 61000-4-3)
- **Shielded door :** 1200 x 2000 mm, three layers of electromagnetic gaskets
- **Absorbers:** polyurethane (80 MHz - 18 GHz)
- **Ventilation:** 4 air holes, 460 x 460 mm, honeycomb type
- **Power-line filter:** 440 V AC, 32 A
- **Electric installation:** fully equipped (cable routes ,cable, 4 luminaires, sockets, switches, etc)
- **Crossing panels:** in accordance with the requirements
- **Rotary table:** 2 m diameter, electrically operated
- **Control room :** 4000 x 2000 x 3000 mm

