



## Shielding room 3 (industry / railroad / medicine)

### Description:

This shielding room is primarily used for carrying out conducted emission and immunity tests on industrial, railroad and medicine equipment and components.

### Technical data:

Frequency range from 10 Hz to 3 GHz

Oscilloscopes up to 10 GS/s and  
1 GHz analogue bandwidth

HF interference up to approx. 20 Vrms  
(up to 230 MHz)

Burst pulses up to  $\pm 4.4$  kV

Surge pulses up to  $\pm 6$  kV

ESD up to 30 kV charging voltage

AC supply up to 32 A / 400 V (also three-phase  
adjustable transformer) (63/125 A only unfiltered)

DC supply up to 40 kW

HF power up to 110 W (up to 400 MHz)



### Emission measurements according to standards / regulations, e.g.:

EN 55011 (CISPR 11)

Radio-frequency disturbance characteristics of industrial, scientific and medical equipment

EN 55016 (CISPR 16)

Measurements of high frequency radio disturbances and immunity

EN 55032 (CISPR 32)

Emission requirements of multimedia equipment

### Immunity tests according to standards / regulations, e.g.:

EN 61000-4-2

Electrostatic discharge

EN 61000-4-4

Electrical fast transient/burst

EN 61000-4-5

Surge

EN 61000-4-6

Conducted disturbances, induced by radio-frequency fields

EN 61000-4-8

Power frequency magnetic field

EN 61000-4-9

Impulse magnetic field

