

TEMPEST / ACOUSTIC SECURED LIGHT ROOM

SIEPEL designs, manufactures and installs enclosures dedicated to secure places where confidential / sensitive information are exchanged.

These enclosures protect from data interception (eavesdropping or recovery of compromising signals) as well as jamming.

They are manufactured in our facility in la Trinité sur Mer, France.



MAIN FEATURES

- Dual purposes: **Electromagnetic shielding & acoustic insulation**
- Self-standing structure, totally independent from host building
- Customizable finishing: wallpaper, wall covering for meeting rooms...
- Comprehensive supply: Room is **fully equipped** with:
 - Raised floor & suspended ceiling
 - Sound trap for ventilation / air conditioning input & output
 - Power filters required in shielded enclosures
 - Electrical package including electrical switchboard, lighting, power sockets ...
- Assembly through the interior: enables to **optimize enclosure dimensions** compared to available space inside the hosting room.
- **Ability to meet any specific requirement** with high reactivity thanks to unique integration site: Siepel's R&D, Design office, manufacturing departments are all located in a single site.



PERFORMANCES

- Guaranteed shielding effectiveness performances: 50 dB from 10 MHz to 10 GHz (up to 18 GHz as an option)
- Acoustic isolation: 30 dB at 250 Hz, 35 dB at 500 Hz, 40 dB from 1 to 8 MHz.

FIRE RESISTANCE

Secured room will comply with EN13501-1 standard level A2S1d0 and will be equipped with a 1 hour fire door

QUALITY & PERFORMANCES CONTROLS

SIEPEL does no compromise on performances and quality. Qualified staff, measuring tools and instruments from DC to 18 GHz are available in our workshop (in France) to check shielding performances.

After erection, a shielding effectiveness measurement will be performed according to EN50147-1 standard.

Acoustic insulation will be checked according to ISO 11957 standard.

Quality procedures are rigorously followed regarding the control and traceability of rooms' components.

We are also at your disposal for **high performances modular shielding, copper rooms or architectural shielding.**