

SECURITY OF INFORMATION SYSTEMS AND SECURED MEETING ROOMS

The security of information systems is a key issue to address cyber threats such as electromagnetic / acoustic attacks and interceptions.

Devices and places dedicated to store and process digital data (data centers) must be protected.

The places of exchange of confidential information are also highly sensitive.

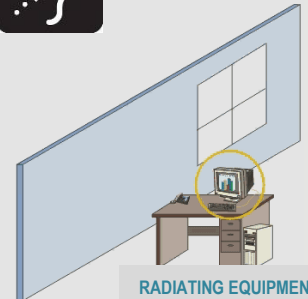
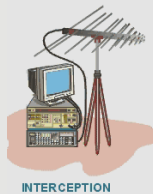
The proliferation of smartphones, tablets and other communication equipment is one vector of information leakage, conscious or suffered.



THREATS

- **Eavesdropping:** Interception of verbal communications in an Authority's meeting room.
 - **Jamming:** aimed at paralyzing an operational center
 - **Interception of compromising signals:** The electromagnetic radiation (signal) is picked up and reconstructed in order to recover information (data processing networks, encrypting rooms, ...).
- Any electronic device in operation gives off unintentional (compromising) signals which appear as:

- ✓ electromagnetic waves
- ✓ conduction currents



OUR SOLUTIONS

Proposed solutions meet French, European, international recommendations and standards (IASG, SDIP, NATO, ...)

Solutions	Technologies	Frequency range	Applications
Self-standing shielding	Copper, modular structure (steel composite and bolted steel) High performances Acoustic insulation as an option	10 kHz – 40 GHz	Tempest, encrypting rooms, data-centers, secured meeting rooms, sensitive discussions rooms
Architectural shielding	Flexible coating with an easy set-up Acoustic insulation as an option	1 MHz – 10 GHz	VIP / meeting rooms, Tempest, ...
Mixed secured rooms	Electromagnetic protection + acoustic insulation (Min. 30 dB) Light modular structure	10 MHz – 10 GHz	Protection from a dual threat (electromagnetic and acoustic interceptions)
Shielded cabinets and racks	Modular structure High performances (> 120 dB) All dimensions	10 kHz – 40 GHz	IT facilities (servers, computers, transmitters, ...)

More information on our dedicated datasheets

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SERVICES OFFERED

- **Tempest zoning** according to SDIP-27 and IASG for example.
- **Shielding effectiveness measurement** according to IEEE 299, EN50147-1, ...
- **Maintenance** of all technologies of shielded rooms
- **Engineering assistance**
- **Training.**



COMPANY INFORMATION



Since 1986, SIEPEL has always evolved in the **safety of information, Tempest and EMP** (ElectroMagnetic Pulse) in parallel with commercial applications.

These high-quality & reliable technologies of shielding are **designed and manufactured in France**: All resources and facilities are based on a **centralized 8000m² site** in Brittany: R&D, manufacturing, design, project management, engineering.

SIEPEL is an **expert in electromagnetic shielding and strengthening.**

SIEPEL is member of several clusters & working groups dedicated to Cyber, Defence, security.

Fully independent company with a 460K Euros capital, SIEPEL has a **highly specialized workforce** of 48 employees, 50% of them being engineers or technicians. Most of its **turnover is generated in international markets** (Europe, Middle East, Asia, Africa) thanks to a strong worldwide network of distributors.

The company obviously bears a **high level clearance agreement**. Our security officers are at your disposal for more information.

REFERENCES

- **French Institutions:** MoD, Ministry of Foreign Affairs, Information Security Agency (ANSSI), General Delegation of the Armament (DGA), French Embassies worldwide: Around 30 secured / shielded rooms in every continent.
- **European Institutions:** Commission, Parliament, EEAS, European Union Council (Brussels & New York) ...
- **International Institutions:** Ministries of Foreign affairs from Belgium & Luxemburg, Luxemburg Embassy in Moscow, Presidencies of Republic of Algeria, Azerbaijan, Turkmenistan ...
- **Large industrial organizations:** Thales, Airbus, Safran, ...

