

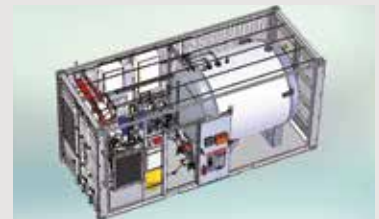
CUSTOM DEVELOPMENTS

CEGELEC Défense Solutions & Services masters all the contextual elements and constraints related to designing military equipment.

CEGELEC Défense has extensive expertise and experience in the field of nuclear, biological, EMC and EMP protection, and the reinforcement of specific systems for mobile use.

The company works hand in hand with its customers from the pre-project phase to the actual production of the systems :

- **REQUIREMENTS ANALYSIS**
- **TECHNICAL JUSTIFICATION**
- **DESIGN OF CUSTOM-MADE STRUCTURE**
- **INTEGRATION OF SYSTEMS AND PROCESSES**
- **PROJECT MANAGEMENT AND PLANNING**



TOOLS SUITABLE FOR THE STUDY AND PRODUCTION REQUIREMENTS

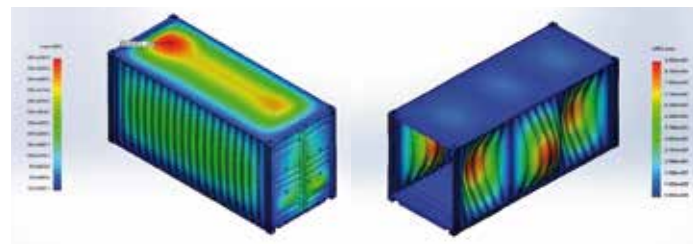
CEGELEC Défense is equipped with all the requisite tools, ranging from computer-aided design (CAD) to the finite element calculation module, and develops the products so as to optimise each system in the following areas :

- Thermal insulation,
- Vibration,
- Mechanical resistance,
- Electrical engineering,
- HVAC engineering.

All these tools enable CEGELEC Défense to produce the technical specification files that meet customers' stringent requirements.

The use of CAD software in the workshops enables the technicians to better understand how the system is assembled.

Enterprise Product Data Management (EPDM) allows our teams to manage the configuration of systems and to track products in a given series.



CHALLENGES

Propose solutions tailored to the specific needs of our customers while respecting all the constraints related to operational theatres or deployment sites.



DESIGN OFFICE AUDITS

The company is regularly audited by AFAQ or AFNOR during annual follow-up audits or for ISO 9001, ISO 14001 and OHSAS 18001 certifications; no non-compliance has ever been detected. The teams from the Design Office at CEGELEC Défense are acknowledged for their professionalism and the quality of their work.

QUALIFICATION SYSTEM

Our entire organization is certified by AFAQ; during the development of a system, this allows us to undergo state certified qualifications to demonstrate that our systems comply with the requirements initially expressed, on a step-by-step basis.

SOFTWARE USED

Mechanical specification

- SolidWorks.

Electrical specification

- SolidWorks Electrical,
- See Electrical.

Electrical sizing

- Elec Calc,
- Caneco.

Mechanical sizing

- Solid Works simulation Pro.

Other

- EPDM.

REFERENCES



THALES

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