



Ingénierie de Défense (IdD Conception - Réalisation) - Conseil en Sûreté Protection

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CMX CONSULTING: THE DEFENSE ENGINEERING (IdD) COMPANY

Warning: IdD (Ingénierie de Défense) is a French protected company trademark of CMX Consulting, meaning « Defence Engineering ». As such, this acronym as to be kept in the following documents involving both CMX Consulting and « Defence Engineering ».

Defense engineering (IdD – Ingénierie de Défense) covers the entire spectrum of building construction activities concerned with security of goods, people and information from the project design phase to those of construction and working.

CMX Consulting is today a young company of experienced consultants who complement and value each other in the IdD activity.

The team, now established in joint stock company, flourishes in a simple and flexible collaborative organization which, by its multidisciplinary aspect and its study methods balanced between rigor and common sense, already characterized the group of consultants who preceded.

What road have we traveled ?

Defence engineering was formalized at the end of 2011 - not to say "invented" - with the Private Public Partnership of the (FR) MOD in Balard (locality in Paris). It was led by Christian MAX who acted as IdD referent for the OPALE group and anti-intrusion expert for BOUYGUES, teaming up with a high-level expert on issues relating to electromagnetic protection.

The significance of the "security" function on this project has made it possible to rapidly develop all aspects of the IdD, both in its fields of application (the visible and the non-visible), and in its application phases (from the contractual analysis to the follow-up of the achievements by the companies).

Today, the IdD with all its facets finds fields of application in all sectors, with a defence vocation as well as with a more civilian connotation, in the public domain mainly.

CMX Consulting intervenes on request upstream for assistance with **POA** – Project Ownership Assistance (understood as an assistance to the contractor for the functional and technical aspects of his project) or further downstream for project managers (organized in groups of companies) through a **PMS** (Project Management Support) mission. On occasion, CMX Consulting conducts IdD awareness actions, adapted to the level of project managers.

WHAT UNITS US BEYOND OUR EXPERTISE

Beyond their intrinsic skills, the consultants who work for CMX Consulting, whether they are partners or collaborate with the company, necessarily cultivate together three fundamental aspects of their professional commitment:

- Worship of the mission: there is no problem without a solution.
- Ethics: never any risk of conflict of interest vis-à-vis their clients.
- Proactive cooperation: to strengthen and share their strengths with their customers and among themselves.

HOW CMX CONSULTING IS ORGANIZED

“Historic” consultant of the IdD, Christian MAX chose in 2019 to team up with Vincent FLEURET. Both have based this association on the certainty of sharing the same professional values that govern their activity and on the intellectual and behavioural qualities that drive them to further develop their individual and collective skills.

The joint stock company thus created today, on these foundations that it claims, is gradually centring on Vincent FLEURET to ensure the sustainability of the company and to welcome new partners, even associates. Our electromagnetic protection expert, who is working as an independent consultant, remains an exceptional collaborator of this structure.

Beyond these three IdD “senior” consultants, CMX Consulting aims to integrate other team members, each in their area of expertise, first as a partner consultant and, if appropriate, as an associate.

CMX Consulting promotes an original working method between its team members: even if one consultant takes the main responsibility for a mission, another systematically ensures parallel follow-up. More than a duplicate, this proven method facilitates and reduces the time needed to analyze the files by immediately comparing understanding, and enables them to be concluded by a pragmatic and rigorous review of the written output.

At CMX consulting, collaborative work does not add skills: it multiplies them.

CMX Consulting binds itself to its clients through contracts which are above all commitments of mutual trust and only undertakes “advisory” missions.

OUR AREAS OF ACTION

Currently, this structure and the skills it associates make it possible to cover IdD missions in a broader dimension on a project, at any stage whatsoever, in POA as well as in PMS:

- Initial approach (commercial)
 - Assessment of IdD interest;
 - Identification of the skills required and consultants to be solicited. Recommendations on the organization to be implemented for the mission (project mode).
- General IdD functional design
 - Analysis and synthesis of input documents ;
 - Initial Draft - Impacts by IdD Domains - IdD Organization and Operation ;
 - Initial dialogue at the design stage of the project (project manager and architect) ;
 - Consistent definition of hardening principles, access and flow management, and electromagnetic protection.
- IdD general environmental study on a project
 - Security analysis (sensitivities, threats, risks to be covered) ;
 - Context of the project ;
 - Exogenous factors affecting the project's IdD.



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- "Visible" IdD functional design
 - Building anti-intrusion. Organization of access and control of flows;
 - ACIDVS (tritych: Access control – Intrusion detection – Video surveillance);
 - Operational procedures.
- Functional design electromagnetic protection
- Electromagnetic protection technical design (by partner consultant)
- "Visible" IdD technical design
- Drafting of summary documents and their use
 - IdD areas of expertise (IdD manuals and functional IdD dressing of floor plans) ;
 - IdD organization documents and review of overall documents (consistency).
- Consulting mission integrated in the duration of a project
 - In POA : business consultation document, dialogue phase and participation in the evaluation of offers ;
 - In PMS to General Enterprise groups : IdD notices, functional plans and dialogue with MOA.
- Technology watch

Apart from a specific project, consultants acting within the framework of "CMX Consulting" can also carry out generic preparation missions upstream of sensitive projects:

- Sensitization of management teams and project managers to the contractual and technical issues of the IdD.
- Assistance in taking into account the regulatory approach (IGI 1300) and in exercising the responsibilities of the security officer.