



Cabinet Africain d'Ingénierie  
pour le Développement





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## OUR GENERAL, STRATEGIC AND POLITICAL APPROACH

The organization and coordination approach that we adapt for each project is based on our experience and lessons learned in the management of similar projects and on the other hand, on the application of international standards in terms of project management. This, throughout the life cycle of the project.

Our approach is based on detailed and precise planning, from the start of the project, of the various tasks to be accomplished as well as on the definition of a specific organization for teams with the necessary skills and using the best technical tools available in the various intervention areas.

**CAID International** is accustomed to mobilize multidisciplinary teams able to carry out complex projects under the respect of budget and time constraints.

Specifically for each project, **CAID International** propose a carefully selected team meeting the client's requirements and in order to be able to meet the double challenge of quality and competitiveness.

## CHAIRMAN'S MESSAGE



Our ultimate goal is to support our clients to succeed in ambitious, innovative, creative and sustainable projects by offering quality engineering and consulting services, tailored specifically for each intervention context.

In addition, we are convinced that our real challenge is to offer sustainable solutions in order to contribute to the planet preservation and so that African populations deprived of water, transport, electricity and technology, can access to these infrastructures which are now essential for a better life quality.

**MOHAMED BOUHLEL**

CEO CAID INTERNATIONAL

**+10** OF  
YEARS EXPERTISE

**+60** IN AFRICA  
MISSIONS IN EUROPE

**+15** IN AFRICA  
COUNTRIES IN EUROPE

**+50** FROM ALL  
EXPERTS OVER THE WORLD

## OUR VALUES



Ensure quality services, provide relevant, integrated and sustainable solutions, constitute the ultimate aim of **CAID International**. To achieve and maintain this objective, **CAID International** bases its approach on three axes:



Careful listening to  
its Clients



Multisectoral  
and proven expertise



A heightened respect  
of professional ethics

Given the new technological, environmental and social requirements of the projects, we developed an operational strategy focused on mastering advanced technologies in terms of :

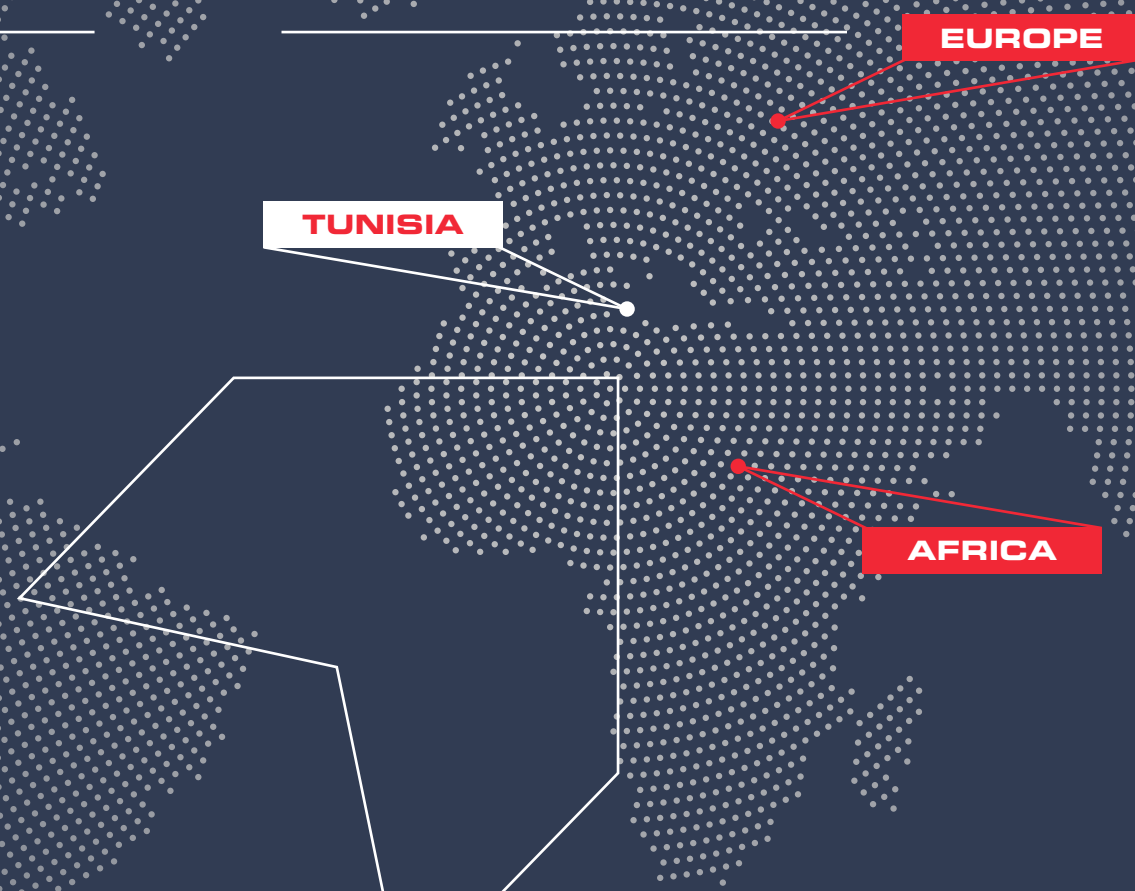
- ✓ Planning and project management
- ✓ Preservation of the environment
- ✓ Mathematical and numerical modeling of complex systems
- ✓ Mapping and GIS technologies
- ✓ IT and software development

With a high-level multidisciplinary team and latest generation IT tools, **CAID International** is constantly investing in giving itself the means to achieve its strategic objectives.



## INTERVENTION COUNTRIES

 Algeria	 Libya
 Benin	 Mali
 Burundi	 Mauritania
 Corsica	 Central African Republic
 Cameroon	 DR Congo
 Cape Verde	 Senegal
 Ivory Coast	 Chad
 France	 Togo
 Guinea Conakry	 Tunisia



### Construction

Reinforced concrete, prestressed concrete, metal framework, composite construction, bridges and complex structures



### Water and Environment

Water supply, sanitation, rainwater drainage, dams, transfer pipelines, irrigation schemes, water resources study, hydrodynamics, fluvial hydraulics, IWRM



### Mobility and transport

Transport planning, airport Infrastructure, harbors, highways, interurban and rural roads, exchangers, bridges



### Strategic studies

Planning, economic and financial studies, master plans, technical assistance, decision-making supports



### Energy

Thermal energy, solar energy, hydroelectric energy, wind energy, bioenergy



### GIS and IT development

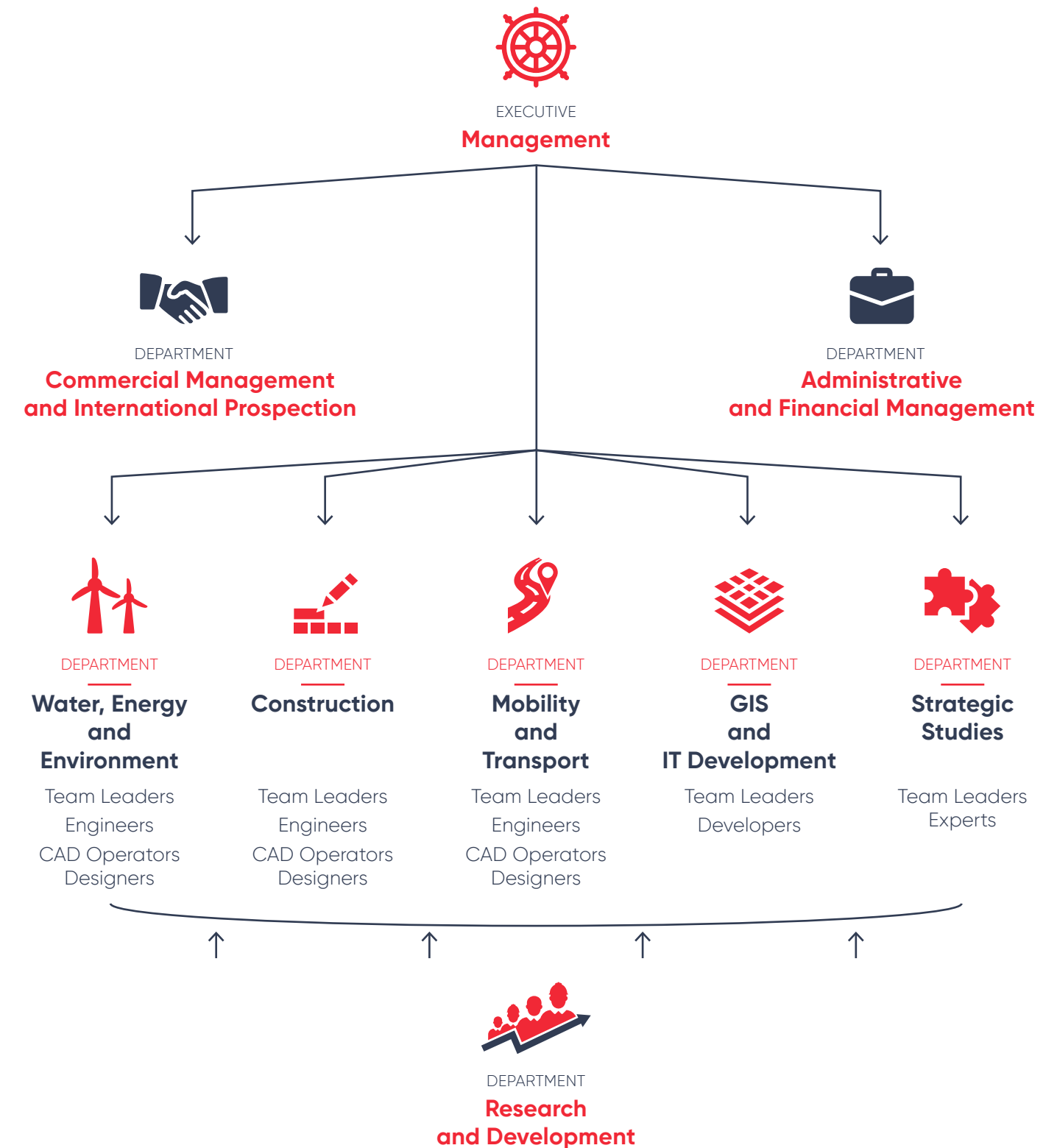
Geographic information systems, digitalization, software and database development, early warning systems

**AND OTHER AREAS ...**

## SERVICES

- Diagnostics and expertise
- Feasibility studies
- Design and technical studies: APS, APD, DAO, MOE
- Blueprints and master plans
- Economic and financial evaluation of projects
- Environmental and social studies
- Technical assistance
- Execution studies
- Works control and supervision
- Training

## ORGANIZATION







## CONSTRUCTION

Our company is involved in all project implementation phases, starting from feasibility study until the execution study and work supervision.

The missions of the sector "Construction" cover all areas of technical engineering:

- Civil works
- Heating, ventilation and air conditioning
- Electrical systems
- Automatization
- Video surveillance and anti-intrusion
- Firefighting systems
- Plumbing and piping

Our firm has extensive experience in complex projects, paraseismic structures and sustainable building. The Construction activity covers reinforced concrete, prestressed concrete, mixed structures, steel construction and wood frame.

For project design, **CAID International** has specialists in civil engineering, hydraulic engineering, mechanical engineering, electrical engineering, and power engineering.

CAID International **also has a team specialized in BIM, planning, organization and construction economics.**



## WATER, ENERGY AND ENVIRONMENT

Water, energy and the environment constitute the core of our activity.

**CAID International** operates in all sectors of these area and at different stages of the project implementation: master plans, feasibility studies, preliminary design, detailed design, tender documents, execution studies and work supervision.

### The skills of the company include:

- ✓ Hydrodynamics and fluvial hydraulics : rivers, aquatic and marine environments modeling and flow regimes study
- ✓ IWRM: Integrated Water Resources Management
- ✓ Dams and water mobilization structures
- ✓ Urban hydraulics : water supply, sanitation, protection against floods and storm water drainage
- ✓ Rural hydraulics : water supply, sanitation...
- ✓ Agro-pastoral hydraulics: irrigation schemes, livestock watering...
- ✓ Water resources : water resources assessment, water balance, water mobilization structures, water resources assignment and planning...
- ✓ Conventional and renewable energies : energy production and distribution, thermal energy, wind energy, photovoltaic energy, hydroelectric energy, bioenergy...





## MOBILITY AND TRANSPORT

Our area of activity includes the various harbors, airport, roads infrastructures and bridges.

For strategic studies, the company operates in the feasibility, planning and identification of urban and suburban developments.

Our services range also from the execution of preliminary and feasibility studies to the design of tender documents including inception reports, detailed technical studies and execution studies. We also conduct monitoring missions, delegated implementation phases, control and supervision of works, technical assistance and expertise missions.

The road is one of the areas where **CAID International** is constantly innovating and mastering the best tools to help you achieve the goals currently expected on infrastructure projects.

Recognized skills in studies and work supervision, brought together in multidisciplinary teams, contribute to our added value.

**CAID International** therefore supports you in decision-making and in designing specific solutions.

In this area, **CAID International** has several recent and relevant references.



## GIS AND IT DEVELOPMENT

**CAID International** is a company specializing in new digital and computer technologies.

Through a multitude of successfully completed projects based on BIM (Building Information Modeling), information systems technologies, database management and artificial intelligence, **CAID International** offers its clients innovative services focused on digitization, digitization and decision support.



Topography  
and geotechnics



Dynamic  
mapping



Programming  
and software  
development



Informatic  
solution





## RESEARCH AND DEVELOPMENT

Research and development R&D is the key to our sustainable growth in terms of innovation and creativity.

In addition to improving the solutions conventionally presented for engineering problems, R&D allows us to supplement and improve the tools used by our teams by translating scientific knowledge in each field into techniques that can be used and applicable to specific contexts.

- ✓ **RFundamental research**
- ✓ **Applied research**
- ✓ **Experimental development**



## RAINING AND SKILLS TRANSFER

Training and skills upgrading for engineering professionals is proving to be an essential investment to enable them to adapt to continuously growing technical developments.

Our training programs cover the areas of :

### Hydraulics

- ▶ Transient modeling
- ▶ Modeling and design of DWS systems
- ▶ Modeling and design of sanitation networks
- ▶ Modeling and design of stormwater drainage systems
- ▶ Hydrodynamics, modeling of rivers and study of flow regimes
- ▶ Modeling and design of irrigation systems
- ▶ Water resources management
- ▶ Modeling and design of dams

### Structures

- ▶ Modeling of complex structures
- Seismic modeling
- ▶ Modeling and design of reinforced concrete structures
- ▶ Modeling and design of metallic structures
- ▶ Modeling and design of mixed structures
- ▶ Modeling and design of bridges

### Roads and transport infrastructure

- ▶ Road's modeling and design
- ▶ Modeling and study of earthworks

### Project planning and management

### Decision making tools and multicriteria analyzes





**CAID**  
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