



BERTIN ENERGY & ENVIRONMENT



INNOVATIVE SOLUTIONS  
FOR THE ENERGY AND ENVIRONMENT  
SECTORS, INDUSTRY AND TERRITORIES



# Our skills

## CONSULTING



## ENGINEERING & EXPERTISE



## TECHNOLOGY DEVELOPMENT



## RISK MANAGEMENT



## ON-SITE IMPLEMENTATION



# Our offers

## ENGINEERING, CONSULTING & INNOVATION

- Innovation consulting
- Engineering studies and expertise
- Proof of concept development for innovative technologies
- Scale-up and industrialization of innovative processes

➔ Evaluate technological innovations and help them reach industrial maturity

## INDUSTRIAL RISK MANAGEMENT & RELIABILITY AND MAINTAINABILITY

- Regulatory studies in accordance with environmental code (operation licensing, hazard studies...)
- Decision-support studies in relation with safety and environment
- Reliability and QA reports for nuclear related defense facilities
- Reliability and maintainability of major scientific projects

➔ Ensuring safe operation of systems and safety of industrial sites

## POSITIVE ENERGY | ZERO EMISSIONS

### ENERGY-POSITIVE ISLANDS AND TERRITORIES

- Modelisation and design of hybrid power plants and microgrids using renewable and local energy sources
- Integration of storage and mobility solutions
- Feasibility studies and on-site implementation

### INDUSTRIAL ENERGY EFFICIENCY

- Energy audits of industrial processes
- Implementation of energy-efficient solutions
- Monitoring and optimisation of processes
- Integration of renewable energies
- Financing, EPC

### SMART ENERGY

- Advanced Energy Management System (Enerbird®)
- Operation monitoring and performance guarantee

➔ Design and build autonomous and smart energy systems

➔ Implement energy transition in energy-intensive industries

# Our references

Examples selected from over 300 projects a year

## SERVICES

### ENGINEERING, CONSULTING & INNOVATION



Feasibility study for a concentrated solar power plant with energy storage, for an industrial application in the Middle-East



Design and construction of a testing facility to study and prevent fouling in steam generators of nuclear power plants

### INDUSTRIAL RISK MANAGEMENT & RELIABILITY AND MAINTAINABILITY



Process hazard analysis of industrial sites (in France and abroad)



Application for permit to operate a new rolling mill



Risk analysis for wastewater treatment plants



RAMS studies and Logistic Support Analysis for two types of optic analyzers installed in the Laser Megajoule research facility



**60+** years of expertise  
in the energy, industry  
and environment  
sectors.

# Our references

Examples selected from over 300 projects a year

## SOLUTIONS

### INDUSTRIAL ENERGY EFFICIENCY



Energy audits for optimization of energy consumption



Development of heat storage solutions

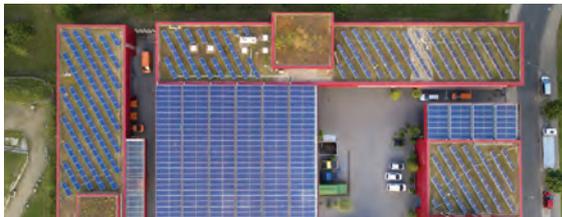
### ENERGY-POSITIVE ISLANDS AND TERRITORIES



EMS (Energy Management System) supply for solar plants with energy storage



Sizing of the equipment for hybrid power plants and microgrids, techno-economic optimization, definition of optimal control rules



Design of a multi-energy production system (solar PV, batteries, biomass) to make a campus self-sufficient in energy



Design of hybrid projects with solar energy and diesel generators in Africa



**100** engineers, experts, technicians and developers supporting innovative technologies.

**Our values: Innovate and Act**

# Our team

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**Frédéric Naudi**  
Business  
development & Sales



**Joelle Daguerressar**  
Executive assistant /  
HSE officer



**Marc Lotteau**  
Smart Energy



**Pauline Plisson**  
Engineering,  
Consulting & Innovation /  
Decentralized Energy



**Alexandre Deydier**  
Industrial Energy  
Performance



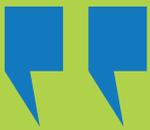
**Chrystelle Gruet**  
Industrial Risk  
Management



**Alain Albert**  
Operations Manager /  
Quality officer



**Germain Gouranton**  
Director of Bertin  
Energy & Environment  
(Reliability & Maintainability)



Our commitment: to support  
Industries and Territories towards  
**technological excellence,**  
**environmental exemplarity** and  
**energy independence,** implementing  
reliable and efficient solutions.

## THEY TRUST US

AIR LIQUIDE ALBIOMA ARKEMA BOSTIK CEA CGG COMAT CNES

CNIM DRT EDF ENGIE ESID FIVES MICHELIN SAUR SCHNEIDER ELECTRIC

SUEZ TEREOS TOTAL VEOLIA VINCI as well as numerous SMEs...

Bertin and CNIM Group carry out projects in almost 100 countries

## OFFICES



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## CONTACT



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## CERTIFICATIONS



ISO 9001  
(Quality)



ISO 14001  
(Environment)



OHSAS 18001  
(Safety)



OPQIBI  
(1717)



MASE  
(Health/Safety/  
Environment)

# ENIM

### HEADQUARTERS

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# bertin

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