

INTEGRATED WATER RESOURCES MANAGEMENT

Our BUSINESS LINES

OUR GROUP

35
BRANCH OFFICES
IN FRANCE

50
INTERNATIONAL
OFFICES IN
40 COUNTRIES

CERTIFICATIONS*
ISO 9001-2008
ISO 14001
OHSAS 18001

QUALIFICATION
OPQIBI

PROJECT MANAGEMENT

- General co-ordination
- Construction management
- Risk management
- Quality control

ENGINEERING

- Socio-economic and institutional studies, master plans
- Feasibility and planning studies
- Design services and construction supervision
- Assistance to Owners
- Technical and economic studies
- Statutory and safety studies
- Design and build schemes

CONSULTANCY, AUDITS AND TRAINING

- Market studies
- Financial engineering: funding and cost recovery
- Assistance with public-private partnerships
- Due diligence audits for technical, operational, social and environmental aspects of projects
- Transfer of technical know-how in the context of engineering, consultancy, or project management assignments
- Operating and maintenance assistance
- Personalised technical training

ARTELIA

Coteba & Sogreah, same team, enhanced expertise

www.arteliagroup.com

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Natural resources ■ Flood risks ■ Aquatic ecosystems ■ Farming practices
■ Irrigation and rural development ■ Climate change

ARTELIA

**ARTELIA,
Coteba & Sogreah,
the same team
with enhanced water
management expertise**



WATER IS A FINITE RESOURCE

The depletion and deterioration of available water resources is a threat facing future generations.

A consensus is gradually forming around the need to make development sustainable.

OUR STRENGTH
An integrated, multi-disciplinary team of water and environment specialists within a major engineering group.

Artelia's multi-disciplinary teams design and propose innovative, economical solutions for developing and managing water resources sustainably, taking into account the needs of populations and water users as well as the challenges of climate change. Artelia also provides assistance with project-related consultation procedures.

MANAGING WATER AND NATURAL RESOURCES SUSTAINABLY

- Availability analyses of surface and groundwater resources
- Evaluation of water requirements
- Allocation scenarios of water resources
- Soil and vegetation inventories
- Socio-economic analyses
- Integrated river basin management
- Public awareness-raising campaigns and support for managers
- Training seminars

PRESERVING WATER AND ECOSYSTEM QUALITY

- Integrated water quality management faced with agricultural or industrial pollution
- Monitoring and forecasting of algal blooms
- Water treatment and soil remediation
- Aquatic ecosystem modelling
- Fauna/flora inventories and ecological assessments
- Statutory documents relating to water, the environment and biodiversity
- Impact assessments
- Audits and consultancy for green space and road management practices
- Assessments and consultancy for the application of environmental legislation

WATER, A SOURCE OF LIFE TO BE MANAGED AND PRESERVED

ADDRESSING AND ADAPTING TO CLIMATE CHANGE

- Water balances
- Definition and analysis of scenarios
- Impact on quality and aquatic ecosystems
- Mitigating measures
- Economic analysis of adaptation strategies

MAINTAINING THE MORPHOLOGICAL AND ECOLOGICAL BALANCES OF ALLUVIAL CORRIDORS

- River ecosystem assessments
- River morphology
- River and riverbank restoration and maintenance
- Water storage in river basins
- Land use regulations
- Flood control and prevention
- Flood forecasting and warning systems
- Vulnerability analyses
- Cost-benefit analyses of developments and measures

ASSISTING THE DEVELOPMENT OF RURAL AREAS

- Rural development plans
- Regional management
- Irrigation and drainage schemes
- Participative approach
- Consideration of specific socio-cultural features

DESIGNING AND MODERNISING IRRIGATION AREAS

- Compatibility between water resources and needs
- Pedology and agronomy
- Agro- and socio-economics
- Studies of gravity and pressure irrigation networks
- Sewerage, drainage, salinity monitoring
- Modelling of network regulation, irrigation water management, efficiency improvement
- Plot irrigation techniques
- Inventories, assessments and rehabilitation of irrigation networks
- Definition of maintenance operations and procedures
- Water pricing policy
- Organisation of water users
- Institutional Public-Private Partnership approach to irrigation water management

