

# Artelia, an independent multi-disciplinary engineering & project management company

Consulting - Master planning & feasibility  
Design & engineering - Construction & project management  
Asset & facility management - Turnkey solutions



- Building construction
- Multi-site programmes
- Industry
- Water
- Maritime
- Environment
- Energy
- Transport
- Urban development

# Environment

Improving environmental performance



The Artelia Group has been granted the following certifications\*: ISO 9001 | ISO 14001 | ISO 45001



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# Environnement

Improving environmental performance

Artelia combines environmental performance and economic considerations, while consistently seeking to consult local players.

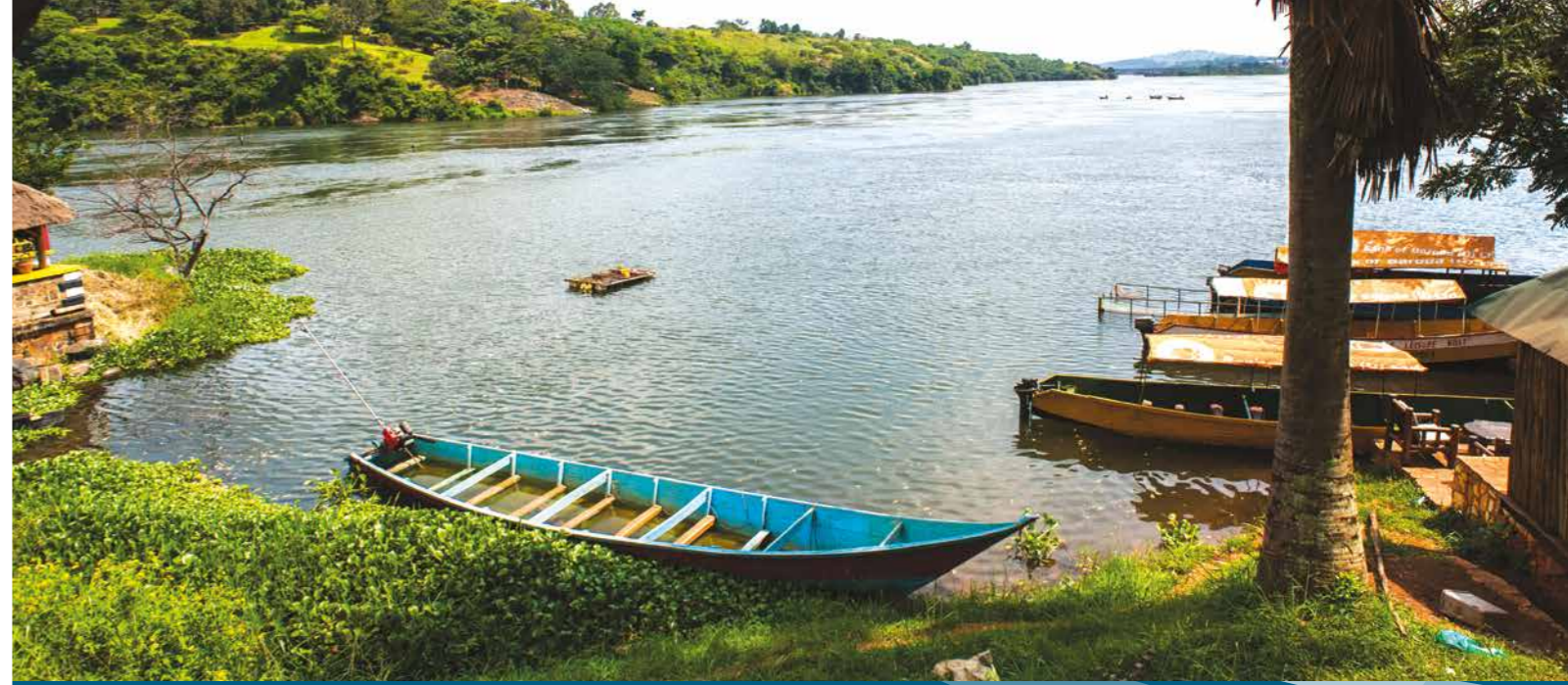
In a context of increasingly stringent regulations, Artelia helps its clients to combine **environmental performance** and **economic considerations**, while consistently seeking to consult local players to promote **integrated management of regions**.

Artelia is a partner of choice both in **environmental assistance** during the preliminary phases of projects (environmental and social impact assessments, ecosystem modelling, vulnerability studies, etc.) and in the **engineering of structures** for protecting the environment and remediating pollution (eco-design of buildings, pollution remediation solutions for degraded sites and structures, risk management, waste management and recycling, etc.).



### CLIENTS ET PARTENAIRES

- Maîtres d'ouvrages publics
- Collectivités territoriales
- Autorités environnementales
- Développeurs privés
- Industriels
- Entreprises de construction
- Exploitants
- Banques et assurances
- ONG



### ENVIRONMENTAL AND SOCIAL INTEGRATION OF DEVELOPMENT WORKS AND INFRASTRUCTURE

- . Environmental assessments (measurements and analyses)
- . Statutory compliance
- . Environmental and social impact assessments
- . Modelling of impacts (water, air, soils, noise)
- . Environmental monitoring of works and operations
- . Life-cycle analysis, whole life cost, eco-design, carbon surveys
- . Assistance with consultation procedures
- . Multicriterion analyses
- . Audits, due diligence

### ENVIRONMENTAL INFRASTRUCTURE

- . Sanitation networks and waste water treatment
- . Management and treatment of stormwater and effluent
- . Waste storage, treatment and recycling centres
- . Renewable energy facilities

### VULNERABILITY AND RISKS

- . Natural, technological and health risks
- . Vulnerability and evaluation of domino effects
- . Safety studies, statutory studies
- . Vulnerability and adaptation to climate change
- . Predictive modelling, forecasting and warning systems
- . Resilience

### SUSTAINABLE BUILDING DESIGN

- . Environmental certifications (HQE, BREEAM, LEED, etc.)
- . Energy strategy and performance
- . Dynamic thermal modelling
- . Bioclimatic façades, geothermal air conditioning
- . Indoor comfort and environmental nuisance reduction
- . Green value, life-cycle analysis, whole life cost

### REMEDIATION

- . Restoration of rivers, wetlands and coastal areas
- . Soil and aquifer remediation, confinement
- . Effluent treatment
- . Deconstruction, asbestos removal (Valorelia)
- . Polluted site and brownfield remediation
- . Waste water reuse
- . Waste recycling

### INTEGRATED ENVIRONMENTAL MANAGEMENT AND PROTECTION

- . Integrated river basin and coastal zone management
- . Integrated management of natural resources
- . Water and soil quality, hydrobiology
- . Air quality, acoustic studies
- . Environmental monitoring networks
- . Biodiversity, impacts of climate change
- . Assistance with and auditing of public policies
- . Modelling of hydrosystems and ecosystems
- . Carbon strategies