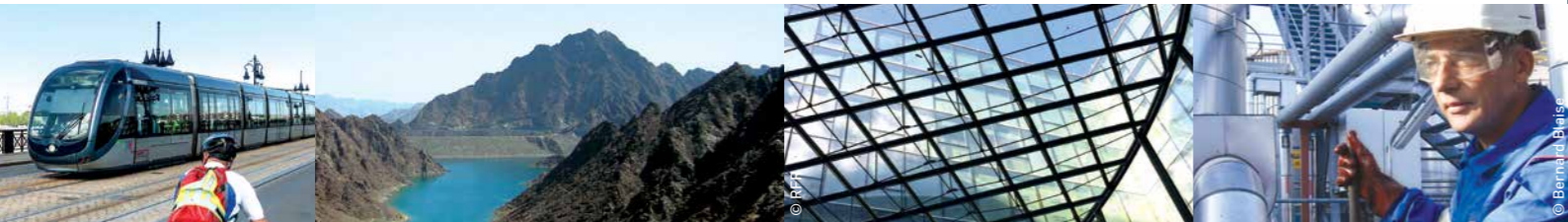


# Artelia, a multidisciplinary and independent international group

Engineering - Project management  
Consultancy - Audits  
EPC - Turnkey



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

## Water

Managing resources  
sustainably



[www.arteliagroup.com](http://www.arteliagroup.com)

The Artelia Group has been granted the following certifications\*: iso 9001-2015 | iso 14001 | oHSAS 18001

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# Water

Managing resources sustainably

Artelia optimises water resource management by reconciling the development of human activities with the protection of natural environments.

Water is vital for humans but is an increasingly fragile resource. Threatened by **climate change**, population explosion and ever-growing urban development, conserving it is one of our key concerns.

For more than 90 years, Artelia has been assisting regional organisations with the optimisation of **water resource management** by balancing human development, risk management and protection of natural environments.

Artelia's hydraulics laboratory, numerical computation cluster and modelling activities are just a few examples of its continuous investment in innovation and R&D: its experts imagine, design and implement **hydraulic schemes** that are high-performance and environment-friendly.

## OUR RESOURCES

A department dedicated to **numerical modelling**

A physical scale-model **laboratory**

## CLIENTS AND PARTNERS

- . Public-sector Owners
- . Local authorities
- . Private developers
- . Industries
- . Turnkey and EPC contractors
- . Construction companies
- . Operators
- . Banks and insurance companies

## RIVER BASINS AND WATER RESOURCES

- . Integrated management plans
- . Assistance with public policies
- . Aquifer management
- . Water transfer systems
- . Conflict management between users

## NATURAL RISKS - FLOODING

- . Prevention, forecasting and warning, protection
- . Statutory studies, flood-risk prevention and disaster contingency plans
- . River embankment safety
- . Flash floods and mudslides

## RIVER DEVELOPMENT AND ENVIRONMENT

- . Management of floods/dry weather flows
- . River morphodynamics
- . Restoration of rivers and wetland areas
- . Hydraulic impact of infrastructure
- . Tourist activities

## WATERWAYS

- . Canals, locks and regulation structures
- . Water management
- . Navigation

## DAMS AND HYDRAULIC STRUCTURES

- . Hydroelectric dams
- . Multipurpose dams
- . Regulation structures and water intakes
- . Flood spillways
- . Pumping stations
- . Lifting and handling equipment
- . Safety, risk and hazard studies
- . Monitoring, rehabilitation

## IRRIGATION AND RURAL DEVELOPMENT

- . Irrigation areas: creation, rehabilitation, modernisation
- . Hydraulic regulation systems
- . Economic and institutional studies

## CLIMATE CHANGE

- . Assessment of the impact of climate change on different natural environments (oceans, rivers, lakes, wetlands, aquifers, etc.)
- . Adaptation strategies
- . Assistance with economic analyses

