Water & Environment: Your challenges become ours
Demonstrated innovative expertise in France and abroad

BRL Ingénierie (BRL) means a broad spectrum of skills across the fields of water, the environment and land-use management.

We deliver our **know-how in France and abroad** on emblematic projects combining **technical expertise and innovation**:

- La Caserne Dam (restoring the sea around Mont-Saint-Michel - Awarded Best Engineering Firm);
- Reunion Island water transfer from the wet side to the dry side of the island (ADEME award for local area climate change adaptation);
- The Prado Reef Programme in Marseille, the largest artificial reef project in Europe (Awarded best ecological engineering by the French Ministry of Ecology);
- Environmental and regulatory studies for offshore windfarm projects: “Ile d’Yeu-Noirmoutier” and “Dieppe-Le Tréport”;
- Expert appraisal and Hydraulic study of Hedong - Mianyang Sponge City - China;
- Master plan for the development of the Senegal River with a climate investment plan;
- Development of a strategy for adaptation to climate change and an action plan for the Ardèche watershed;
- National Master Plan for the Reuse of Treated Wastewater in Tunisia;
- Master plan for the supply of drinking water to the City of Pointe Noire in a context of climate change;
- Tel Aviv, design of a wave attenuation device using sand-filled containers to ensure the soft protection of the coastline.

Responsive multi-discipline consultants championing the challenges of the 21st century

With such great challenges as **adaptation to climate change, food security, population growth and ecology and energy transition** hovering over our heads, it is urgent to take action.

Our hive of expertise makes it possible to **build the best possible teams rapidly** (hydraulics and civil engineers, environmentalists, agronomists, sociologists, legal experts and economists) to help you see your projects through with care for natural habitats, livelihoods and living standards.
The strength of a Group that remains human in scale distilling local and community values for 60 years

- BRLI is the consulting firm of the BRL Group (6 companies, 800 employees). BRL designed, built and operates a large-scale water distribution system under a concession granted by the Occitanie / Pyrénées-Méditerranée Regional Council (South of France). The system includes canals, dams, pumping stations and water treatment plants. It supplies 1 million people with water in summer and some 120 000 ha with irrigation water.

- Our experts build sustainable solutions to provide water during droughts and to handle floods.

- Unique know-how for a holistic approach: design, asset management assistance and operation of large-scale water projects.

Innovation and R&D

- High-capability digital tools
  - Numerical models and geomatics tools
  - High Performance Calculation clusters for complex digital simulations
  - Water management software derived from BRL's experience as operator

- Innovative skills
  - Integration capacity (technical and environmental studies)
  - Life cycle control
  - Support to the creation of Public-Private Partnerships for large irrigation schemes

- Developing services and tools
  - WIMES : Water Information Management Ecosystem and Services: development of software platforms for environmental monitoring, waterworks management and early warning systems

Our values:

- Ethics and engagement to public interest (solidarity and responsibility)
- Delivery on all our commitments
- Innovation for a sustainable world

BRLI is a member of these R&D clusters
By your side during the whole project cycle

- **Project organisation**
  Project finance organisation, Design-Build-Operate, Public-Private Partnerships

- **Studies and design**
  Technical, economic, environmental and regulatory studies, land-use planning

- **Design, Procurement, Construction Engineering & Management**
  Design and construction supervision

- **Support to the management and operation of water works**

- **Technical assistance services**

- **Asset management assistance services**

- **Training**

- **Institutional consultancy**
  Environment, water management...
Areas of activity

Drinking Water Supply & Sanitation
- Production, supply and distribution of drinking water
- Collection, regulation, and conveyance of waste water
- Stormwater management
- Water and waste water treatment
- Energy efficiency and energy from waste
- Regulation and Services management

Water Works & Transfer Systems
- Dams, pumping stations, transfer systems
- Tunnels and trenchless works
- Dam & dike safety
- Assistance with commissioning and with operation
- Hydropower

Environmental Assessment
- Eco-design and environmental feasibility
- Environmental and Social Impact Assessments
- Resettlement Action Plans
- Strategic Environmental Assessments of plans and programmes
Areas of activity

Biodiversity Management & Sustainable Development
- Biodiversity conservation strategy
- Participative management of natural resources
- Development of management plans for protected areas
- Ecosystem services and sustainable financing

Water for Agriculture & Food Security
- Design and modernization of irrigation schemes
- Agricultural development: agroecology, climate-smart agriculture, value chain structuring
- Commercial agriculture and advice to private investors
- Irrigation scheme management, PPP, Organisation of water users

Sea & Coastal Zones
- Integrated Coastal Zone Management
- Erosion and sea floods
- Marine Protected Areas
- Fisheries and fish farming
- Offshore activities and oceanography
- Coastal ecological engineering
Areas of activity

**Water & Risk**
- Diagnosis and assessment of flood and submersion risk
- Risk prevention strategy
- Flood defence
- Risk management, surveillance, forecasting and early warning systems

**Navigation & Ports**
- Yachting and fishing harbours, trading ports
- Port protection works
- Inland waterway navigation dams
- Small and large capacity locks
- Creation, rehabilitation and modernization of navigation routes
- Dredging / Sediment management

**Integrated Water Resource Management**
- Quantitative and qualitative management
- Protection of aquatic habitat, environmental flow
- Transboundary river basin management
- Water Information Systems
- Strategic planning
- Institutional studies

**Regional & Local Development**
- Local development
- Rural development
- Land-use management plans
- Public development programmes and policies
BRL Ingénierie

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