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BRL INGÉNIERIE

2026

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SUSTAINABLE DEVELOPMENT GOALS

BRL Ingénierie supports the Sustainable Development Goals


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THE SDGs

THROUGH OUR PROJECTS

The SDGs through our projects: BRL Ingénierie aims to support its clients in achieving the Sustainable Development Goals, and made this commitment concrete by joining the United Nations Global Compact in 2021.

In 2024, BRL Ingénierie joined the Board of Directors of the UN Global Compact Network France. In 2026, BRL Ingénierie joined the "Entreprises Engagées pour la Nature" (Companies Committed to Nature) programme to make biodiversity a core pillar of its environmental strategy.

Every year, during European Sustainable Development Week, BRL Ingénierie showcases its flagship projects contributing to the SDGs on LinkedIn and Instagram.

This booklet brings together our 2026 posts.

Our commitment to the SDGs inspires us and drives us to innovate and find creative solutions for a better future!



Rethinking

irrigation infrastructure to make agroecology
a driver of sustainable transformation

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SENEGAL & CAMBODIA

This project seeks to demonstrate how the transformation of infrastructure, the reorganisation of spaces, changes in management methods and the adoption of appropriate practices promote the agroecological transition of irrigated areas under construction or undergoing rehabilitation.

By enhancing climate resilience, water use efficiency, economic performance and the environmental sustainability of production systems, this transition aims to make them more sustainable whilst ensuring food and nutrition security for the populations dependent on these areas.

The study focuses on two countries with pilot projects in contrasting contexts, enabling the testing of a replicable approach: Senegal and Cambodia.

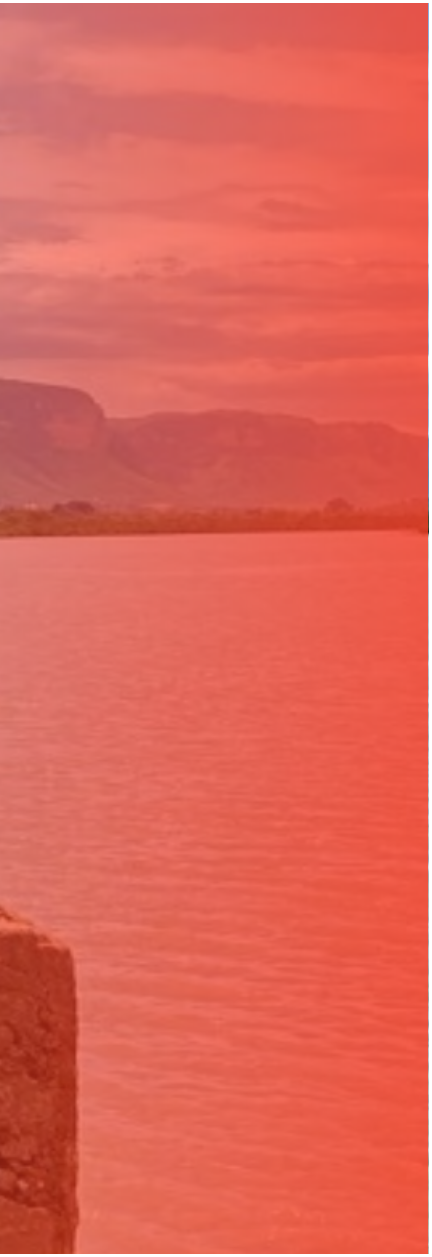
We are not simply seeking to rehabilitate or develop irrigated areas: we want to demonstrate that by simultaneously rethinking infrastructure, governance and agricultural practices, irrigation can become a genuine driver of agroecological transition. This is a collective challenge, but also a tremendous opportunity to devise the irrigation models of the future.



Benjamin VENNAT
Project Manager



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GUINEA

Women play a central role in small-scale fisheries in Guinea, particularly in the processing, smoking, drying and marketing of fish. Despite their key role, they face social and logistical constraints, including a lack of suitable childcare facilities, which hinders their full participation in the sector.

'Design childcare services adapted to the small-scale fishing sector' forms part of the Kounki project, co-financed by the World Bank and AFD, which aims to develop inclusive small-scale fisheries infrastructure in Guinea. The main objective is to promote women's empowerment and economic participation, whilst ensuring the safety and well-being of children exposed to the conditions at smoking and processing sites.

The study's findings are based on a participatory and gender-sensitive approach, placing the needs of women and young children at the heart of the assessment process.

Developing childcare solutions tailored to fishing communities is not just about creating a new service: it is about taking action simultaneously to promote gender equality, early childhood development and the economic resilience of households. By addressing a vital yet often overlooked need, this project creates the conditions for more inclusive and sustainable development.



Sophie MISDARIIS
Project Engineer



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RÉUNION ISLAND

As part of its policy to secure the drinking water supply, the CIVIS association of municipalities is undertaking the construction of a water treatment plant in the Maniron area, with the goal of guaranteeing all residents of the municipality reliable and sustainable access to high-quality water.

The facility will enhance the region's capacity to treat raw water and distribute drinking water, with a 3,000 m^3 storage tank supplementing the treated water reserves at the municipal level, thereby securing the supply for users even during cyclone season. The project also stands out for its design focused on energy efficiency and minimal environmental impact: a micro-hydroelectric power plant harnesses energy from the raw water supply network, supplemented by a rooftop solar array. The reuse of process water in a departmental irrigation scheme located downstream is currently under consideration.

This approach reflects CIVIS's commitment to balancing public service performance with reducing the environmental footprint of its infrastructure.

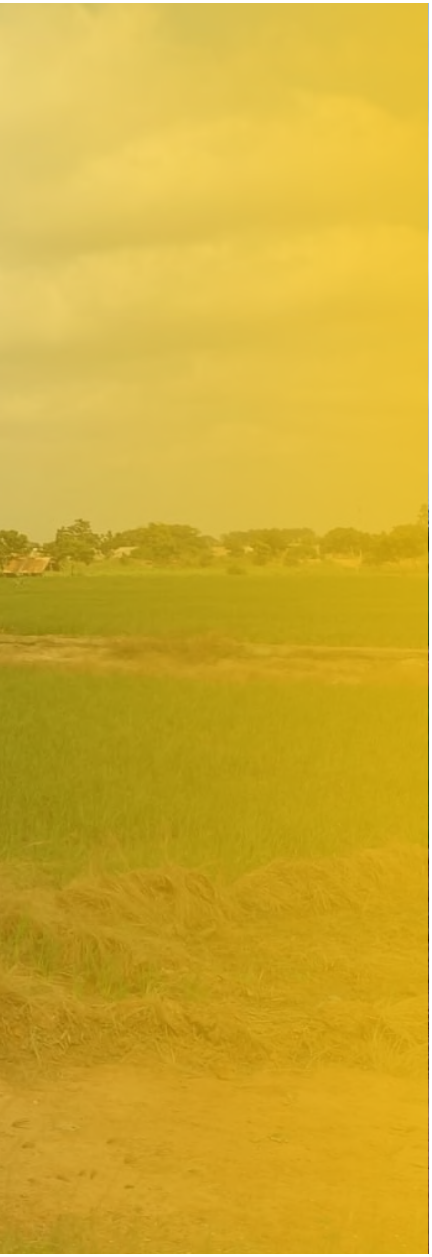
Réunion Island is exceptional for its biodiversity and its inhabitants.
It is important to design and build facilities that are energy-efficient and resource-conscious: BRL Ingénierie is proud to have supported CIVIS in this water treatment plant project, which generates more energy than it consumes.



Adrien QUANQUIN
Branch Manager



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TOGO, GHANA, CÔTE D'IVOIRE, LIBERIA

Although agriculture is a key sector in West African countries, it suffers from a heavy reliance on fossil fuels, limited access to electricity in rural areas and inefficient energy use.

Yet the region has significant potential for renewable energy, which remains largely untapped. Approached from the perspective of the Water-Energy-Food Nexus, the ECREEE and ADA project aims to improve access to sustainable energy within agricultural value chains in Ghana, Côte d'Ivoire, Liberia and Togo, through an innovative approach combining the circular economy with decentralised renewable energy solutions.

The first phase involved selecting priority agricultural value chains and assessing existing policy and energy frameworks. This work made it possible to build on lessons learnt and to develop a comprehensive project proposal tailored to the diversity of local contexts, thereby maximising socio-economic benefits.

Given the varied circumstances regarding access to energy and agricultural production and processing capacities, the challenge was to adopt a flexible approach whilst offering solutions tailored to the realities on the ground. Coordinated efforts by stakeholders in the energy and agriculture sectors are essential to strengthen food security and develop local opportunities.



Maylis LABARTHE
Project Engineer



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FRANCE - Yvelines department (78)

Commissioned in 1959, the Andrésy dam is currently undergoing works focusing in particular on civil engineering (piers, abutments and the overhead crane girder), the cantilevers, the overhead crane runway and the safety of access routes. The dam's renovation is fully in line with an eco-design approach focused on sustainability and the reuse of existing structures. The figures speak for themselves: the existing structure comprises approximately 7,700 m^3 of concrete and 1,150 tonnes of reinforcement. The renovation works, meanwhile, comprise approximately 103 m^3 of concrete and 7 tonnes of reinforcement. According to the project documentation's assumptions, the renovation thus accounts for approximately 0.7 per cent of the estimated carbon footprint of an equivalent new dam.

Renovating a dam in operation on the Seine involves tackling a technical challenge in a particularly constrained environment.
The need to maintain operations, access and site resources which were mainly river-based, combined with an exceptionally wet year, significantly complicated the working conditions. This required the project manager to be heavily involved in adapting the site, working in close collaboration with the contractors, the client and the operator, thereby illustrating their essential and central role in the success of river works.



Hugo SAGE
Senior Engineer



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FRANCE - Haute-Loire department (43)

In Lapte (Haute-Loire), the Lavalette dam is currently undergoing a major refurbishment of its flood spillway, on behalf of Saint-Étienne Métropole. Commissioned at the start of the 20th century and raised after the war, this strategic hydraulic structure (59 m high and 507 m long) plays a vital role for the region: supplying drinking water, generating hydroelectricity and managing floods in the Lignon catchment area.

The structure is equipped with four gates capable of discharging up to 2,000 m^3/s. The project involves replacing three large radial gates (10 m × 8 m) and refurbishing the fourth, as well as major civil engineering works on the flood discharge structure. By ensuring the long-term resilience of this infrastructure against climate-related hazards, the project directly contributes to the protection of people and property downstream, whilst guaranteeing the continuity of the drinking water supply.

Given the ageing of major hydraulic structures and the increasing severity of extreme weather events, their refurbishment is a major challenge. At Lavalette, the refurbishment of the flood spillway illustrates the full complexity of our work: improving the safety of a structure whilst it remains in operation and strengthening its resilience to extreme hydrological events, whilst ensuring the continuity of the drinking water supply and helping to protect the local area.



Léo DURAND
Senior Engineer



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FRANCE - Saint-Pierre-et-Miquelon (975)

The Saint-Pierre-et-Miquelon archipelago is one of the island territories not connected to mainland France's electricity grid and, as such, must generate all the electricity it consumes.

As part of its strategy to secure its energy supply, EDF is investigating the possibility of refurbishing the power station or relocating it to a higher point on the archipelago.

To assist with this decision, BRL Ingénierie has carried out dynamic modelling of wave overtopping and marine inundation in the vicinity of the power station, under historical storm conditions such as Storm Fiona, and in line with future projections for 2070 and 2100, taking climate change into account.

In Saint-Pierre-et-Miquelon, rising sea levels directly raise questions about the future of the EDF thermal power station. Assessing its long-term viability requires anticipating the risks of flooding in a changing climate. Our study combines topographical data, past events and climate projections to determine, objectively, whether the site can remain operational and under what conditions. This is a major challenge for strengthening the archipelago's energy resilience!



Johanna CREZE
Engineer



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FRANCE - Occitanie & Provence-Alpes-Côte d'Azur

The French government is developing several floating offshore wind farm projects in the Mediterranean Sea, off the coast of Narbonne and in the Gulf of Fos.

These projects require the installation of subsea anchors and power cables whose potential impacts on the marine environment must be accurately assessed. BRL Ingénierie conducts the environmental impact assessments for these projects. These studies provide a better understanding of the Mediterranean ecosystems concerned, identifying and mapping the habitats and species, highlighting ecologically sensitive areas, and evaluating the potential impact of the developments on the marine environment. Beyond meeting regulatory requirements, they support technical decision-making by promoting more environmentally sustainable solutions (eco-design). They also help to avoid, reduce and offset impacts on marine biodiversity whilst defining appropriate environmental monitoring programmes. The ultimate objective is to reconcile the development of renewable energy with the preservation of biodiversity and the continued coexistence with existing maritime activities.

By improving our understanding of marine ecosystems and incorporating biodiversity considerations right from the project design stage, BRL Ingénierie contributes directly to the achievement of SDG 14. Impact assessments enable us to anticipate the effects of development projects, implement appropriate measures to preserve marine environments and promote the sustainable management of marine resources. They thus contribute to the sustainable preservation of biodiversity and Mediterranean marine ecosystems, whilst supporting the development of floating offshore wind power.



Valérie FAURE
Project Manager



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INDIA

In Assam, in north-eastern India, AFD and the Forest Department have been working together since 2012 to preserve forest landscapes and their biodiversity.

BRL Ingénierie and SalvaTerra are currently supporting the preparation of the third phase of this partnership, by translating the lessons learnt from the previous phases into an operational, budgeted and sustainable project.

The future project will combine landscape, habitat and wildlife management; the development of sustainable livelihoods with local communities; the strengthening of the Forest Department; GIS tools and knowledge systems; and training. By supporting habitat restoration, biodiversity conservation and the sustainable management of terrestrial ecosystems, this mission contributes directly to SDG 15. It also incorporates social and gender issues, climate resilience and carbon impact assessment.

This project demonstrates that forest conservation cannot be separated from the economic and social realities of the communities that depend on forests. The key challenge is to transform this environmental ambition into a realistic, inclusive and financially sustainable programme.



Camilo AVENDANO CARDENAS
Environmental Economics and Financial Expert



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TOGO

The aim of the project is to strengthen Togo's capacity to address the challenges of climate change adaptation by developing institutional capabilities and improving coordination at all levels.

The main objective is to promote the integration of adaptation issues into the priorities of the Prime Minister's Office, and then to support the ministries responsible for Planning, Budget and Finance in ensuring that these priorities are reflected in the national budget and in strengthening their capacity to mobilise the necessary funding.

The project also aims to support sectoral ministries, focal points, implementing agencies and technical and financial partners in translating these ambitions into sectoral strategies. Finally, the project includes a component aimed at parliamentarians to raise their awareness of adaptation issues and open a dialogue on strengthening the legislative framework in support of climate action.

A multi-level approach to institutional capacity-building is essential to ensuring the coherence and effectiveness of public action on adaptation.



Katell JAOUANNET
Project Manager

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