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FASEP: Water & Sanitation in Rodrigues

Preparation of Water and Sanitation Master plans including the preparation of Feasibility Studies, Design Studies and Tender Documents for the Construction Works implementation of Selected Pilot Projects.

Jan. 2025 - June 2026



MAURITIUS - Rodrigues Client

BPI FRANCE
ASSURANCE EXPORT
On behalf of the French Government - For the benefit of the Rodrigues Regional Assembly (RRA) & Rodrigues Public Utilities Corporation (RPUC)



Partners

SETEC (MAURITIUS) LTD
GEOLINKS

Lead Partner

Setec Hydratec

Services fees

490 000 €

Assignment

Consulting expertise audit,
Design Engineering

Disciplines

Water and Sanitation
Engineering

Senior managers

F. TRANQUILLE (Project
Manager),
F. PRIN (Project Director)

Client's Address

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The Project

Setec Hydratec, in partnership with Setec Mauritius and Geolinks, has been contracted to provide support to the Rodrigues Regional Assembly (RRA) for the improvement and development of Water and Sanitation Infrastructure in Rodrigues. This project is funded by the Ministry of Finance (France) under the "FASEP" scheme. Rodrigues Island (110 km² and 45 000 inhabitants, located 600 km to the East of Mauritius) has been facing the following issues over time and the "FASEP" initiative has the objective of boosting the development of priority water infrastructure sectors and solving the following difficulties on the short term via the construction works implementation of Selected Pilot Projects:

- Declining Yield of natural water resources
- Frequent and uncontrolled interruptions in the supply of water
- Operational issues in the water treatment plants
- Lack of Effective Monitoring
- Highly Fragmented System with no cohesive strategy for the production and supply
- Absence of a structured sanitation collection and treatment plan.
- Malfunctioning and inadequate maintenance of existing water installations
- Insufficient oversight of large autonomous water installations
- Pollution of water resources by non-domestic effluents.

Our Services

- Development of a roadmap for Integrated Water Resources Management (IWRM).
- Preparation of an updated and prioritized Water Master Plan for the short and medium term.
- Improve / Establish Sanitation Systems: Assessment of the current state of sanitation and preparation of a prioritized Master Plan for the short and medium term.
- Protect and Preserve Water Resources: Definition of a strategy and actions for resource protection, including vulnerability perimeters for priority catchments and a sanitation zoning plan.
- Capacity Building: Training and skills transfer on autonomous sanitation, monitoring of catchments in relation to nearby wastewater discharges, leak detection in water networks, and operation of water facilities.
- Preparation of Feasibility Studies, Design Studies and Tender Documents for the Construction Works implementation of Selected Pilot Projects.

Remarkable elements of the project and the mission

- Specific island context.
- Multidisciplinary team including several internal and external contributors to Setec.
- Priority project with strong political implications and priority infrastructure development sectors
- High technicality of the solutions to be implemented.
- Funding by the French Government



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Development of a Stormwater Management Strategy and Flood Risk Prevention Plan for Rodrigues Island – Adapt’Action Facility

Stormwater Management Master Plan

Jan. 2025 - June 2026



**MAURITIUS -
Rodrigues
Client**

**AGENCE FRANCAISE
DE DEVELOPEMENT
(AFD) For the benefit of
the Rodrigues
Regional Assembly
(RRA)**

Partners

SETEC (MAURITIUS) LTD
Cultures Permanentes

Lead Partner

Setec Hydratec

Services fees

462 640 €

Assignment

Technical Assistance,
Consulting expertise audit

Senior managers

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The Project

On Rodrigues Island (110 km² and 45 000 inhabitants), stormwater management has become a necessity, both in urban and rural areas. This requires a shift from the traditional approach - rapidly channelling and discharging stormwater into the sea - to an integrated water resource management approach at the territorial scale. Large impermeable surfaces and agricultural development transport numerous pollutants, increased run off and soil erosion during rainfall events.

The overall objective of this project is to strengthen Rodrigues' resilience to climate change and reduce flood risks by restoring and reinforcing good stormwater management practices, particularly in:

- Developing regenerative hydrology that supports the preservation and recharge of groundwater resources and optimizes the use of runoff water in agriculture and livestock sectors.
- Providing recommendations on structural measures to be implemented at watershed level and low-lying urban areas, to prevent flood risks in light of climate change impacts on the island.

This project is also to provide to the water management departments of the Rodrigues Regional Assembly (RRA) a costed action plan within the Masterplan, as well as the associated necessary tools within the training component.

Our Services

- **Component 1** : Development of a Stormwater Management Master Plan to prevent flood risks and implement regenerative hydrology principles within a quantified action plan.
- **Component 2**: Illustrated documentation of local knowledge and memory (particularly from elders) on issues related to stormwater collection and management and the functioning of hydraulic networks, including a testimonial video covering the three components and a photographic library. This component includes a sociological approach via field interviews / surveys of the population regarding Water in Rodrigues.
- **Component 3**: Training and capacity building for water management stakeholders on stormwater management through nature-based solutions and an integrated, ecosystem-based approach to regenerative hydrology. This includes a dedicated module on hydrological modeling tools, as well as design and sizing methods for soft hydraulic infrastructure. This component also includes a Study Tour (field visits and case studies).

Remarkable elements of the project and the mission

- Specific island context.
- Multidisciplinary team including several internal and external contributors to Setec.
- National project with strong political implications and priority infrastructure development sectors
- High technicality of the solutions to be implemented.
- French Funding by the AFD – ADAPT’ACTION Facility.

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