

Recent Experience in Feasibility and Design Studies

- 2010 **Cote d'ivoire – Project Value – € 15 M**
Client: **European Union (FED)**
TITLE: PUR IV
Description: Urgent works to improve hygienic conditions in the city of Abidjan. 1. Rehabilitation of 13 pumping stations (Civil Works and installation of new Electro Mechanical Equipment), and 2. Construction of 7 new pumping stations and laying of 10 km of gravity pipelines and rising mains.
My Involvement: As sole representative of Egis BCEOM, the Consultant appointed to provide Technical Assistance: Check and Validate feasibility report, and detailed design, as well as tender documents. Supervise tender procedure, and manage project during construction stage. Ensure throughout that EU procedures are respected.
- 2010 Client: **European Union (EDF) – Value of Study € 250 000**
Title: Sewerage Master Plans for the Towns of Bouaké, San Pedro and Daloa
Description: Updating of Sewerage and SWD Master Plans for 3 towns, phasing of works and feasibility study for first phase in 2 towns.
My Involvement: I set up the project, and after securing agreement from the EU delegation for its financing, I drafted Terms of Reference and Tender Documents according to EU Contrat Cadre format, supervised the tendering process, and thereafter effected supervision of study. I rejected the Consultants' final report as being non-responsive to the Terms of Reference, and currently involved (from Mauritius) in verifying for validation purposes the corrected version of the final report.

SEYCHELLES

2015



Client: Public Utilities Corporation, IWRM, SIDS

Title: TECHNICAL DESIGN AND COST-BENEFIT ANALYSIS OF HOTEL-BASED SEWERAGE TREATMENT AND RECYCLING PLANTS ON LA DIGUE, SEYCHELLES

The overall objective is to strengthen the capacity to implement an integrated approach to the management of water resources, with a long term goal of enhancement of the capacity to plan and manage aquatic resources and ecosystems on a sustainable basis.

The La Digue IWRM demonstration project supports the implementation of demonstration activities to provide real, on the ground solutions to common problems at the national level with potential for replication across the region and in other small island states.

It is envisaged that at least part of the recommendations of this study will be implemented so as to effectively serve as a demonstration which will encourage replication across the region and amongst SIDS countries.

The end result will not be limited to the island of La Digue, nor to the State of Seychelles. It will be measured by the effective enhancement in capacity to plan and manage aquatic resources and ecosystems on a sustainable basis across the region and amongst member countries.

Scope of Services

- Undertake review of relevant documents, reports and literature as well as organise initial consultations with project team and selected hoteliers
- Develop technical design specifications for wastewater treatment and recycling plants based on hotel capacities (small, medium, large).
- Full cost estimates of designs, including BoQ
- Cost-benefit analysis of in-situ wastewater treatment and recycling plants
- Propose practical modalities for project interventions based on cost sharing
- Hold workshop for hotel owners in la Digue to share the outcome of study and discuss modalities on practical implementation arrangements.

MAURITIUS

Completed
Started Oct 2013

Client: [Wastewater Management Authority](#) – **Cost of Study MUR 5 million**
CONTRACT WW249C - CONSULTANCY SERVICES FOR FEASIBILITY STUDY AND DESIGN FOR SEWERAGE PROJECT AT Vallee des Pretres and Tranquebar. Feasibility and Detailed design, production of Tender Documents

On Going
Started Jan 2014

Client: [Médine Property](#).
Contract: Morcellement Mount Pleasant, Roches Brunes. Design and supervision of Sewerage network and connections for residential land development.

Completed 2013

Client: [Wastewater Management Authority](#) – **Cost of Study MUR 3 million**
Contract WW 239.C, Provision of Sewerage facilities to Unsewered areas of Bain des Dames. Feasibility and Detailed Design, production of Tender Documents.

Completed 2012

Client: Wastewater Management Authority/Padiachy Contractor Ltd
- Project Value MUR 100 M
Contract WW 211.X, Provision of Sewerage facilities to Cité Rozano, Vacoas
Design of 165 House Connections, 2 500 m of street and main sewers, Pumping Station and 500 m of rising main. As Consultant for Contractor for a design and build contract.

Completed 2015

Client: Wastewater Management Authority/Sotravic Ltd
Project Value MUR 2.45 bn

Contract WW 80.F, Plaines Wilhems, Stage 1, Lot 1A
 Design of 4 000 House Connections, 20 km of street and main sewers. As one of three
 Consultants for Contractor for a design and build contract

Completed 2012	<p>Biosphere Ltd Design and Supervision of Monkey Breeding Farm for Messrs Biosphere Ltd</p>
2008 - 2009	<p>Wastewater Management Authority Feasibility Study for wastewater disposal on 27 low-cost Housing Estates Value of Study: MUR 5 million</p>
2008	<p>Médine Sugar Estates Ltd Design of cut-off drain 500 m long to solve flooding problems in a newly developed Housing Estate at Palmyre, Flic en Flac</p>
2009	<p>Médine Sugar Estates Ltd Study of Natural drain 3km long at St Jaques to assess feasibility of new housing development</p>
2007-2009	<p><u>Wastewater Management Authority/Padiachy Contractor Ltd (WW.151.Z)</u> Design of street sewers and house connections as designer for a design and build project Project Value approx MUR 50 m</p>
2007 - 2009	<p><u>Wastewater Management Authority/PADCO (WW.150.Z)</u> Design of street sewers and house connections as designer for a design and build project Project Value approx MUR 50 m</p>
Project Frozen	<p>Medine Sugar Estates Ltd (Inetgrated Resort Scheme) Design and supervision of sewerage, Sewerage Treatment Plant, Irrigation network for Luxury Tourist Estate at Tamarin. Project Value approx MUR 270 m</p>
2008-2009	<p>First Avenue Design of sewerage, Sewerage and on-site disposal systems, and storm water drainage for Luxury Housing Estate at Tamarin. Project Value approx MUR 5 m</p>
Completed 2009	<p><u>La Brasserie Transfer Station (Government of Mauritius)</u> EIA and Design and supervision of Infrastructure for Solid Waste Transfer Station, inclusive of roads, drains, concrete platforms and retaining walls up to 6m high.</p>
Design Phase completed	<p>Anjalay Stadium (Government of Mauritius) Design and supervision of rehabilitation of sewerage and stormwater infrastructure for football stadium Project Value approx MUR 35 m</p>
Completed 2007	<p>Westrock Luxury Housing (Phase I) Design of sewerage, Sewerage Treatment Plant, Irrigation network and storm water drainage for Luxury Housing Estate at Tamarin. Project Value approx MUR 10 m</p>

- Completed 2005** [Transinvest / Wastewater Management Authority](#)
 Street Sewers and House Connections (WW.88X) lots 1 & 2. About 10 km of sewers and 600 House connections
 Financing : Government of Mauritius/World Bank
 As Designer for Contractor of a Design and Build project for the WMA
Project Value approx MUR 320 m (see also below)
- Completed 2005** [Sotravic / Wastewater Management Authority](#)
 Street Sewers and House Connections (WW.88X) lots 3 & 4. About 5 km of sewers and 200 House connections
 Financing : Government of Mauritius/World Bank
 As Designer for Contractor of a Design and Build project for the WMA
 Project Value approx MUR 320 m (see also above)
- 2003-2007** [Mon Desert Mon Tresor](#)
Design and Supervision of Sewerage Network, Ebène, Bout du Monde
 creation of Satellite Town at Ebene- 22 km of sewers, 2 pumping stations
 Design and Supervision
Project Value approx MUR 950 m for infrastructure, MUR 125 m for Sewerage
- 2004 – 2006** **Medine Sugar Estates.**
Design and Supervision of Sewerage, Water and Road Networks, and sewerage pumping station at Morcellement La Confiance - 85 lots
 Design (completed July 2004) - Supervision (2006)
Medine Sugar Estates
 Design Water and Road Networks, and On-site disposal at [Morcellement Bassin](#) - 160 lots
- 2004** **Medine Sugar Estates**
Design Water and Road Networks, and On-site disposal at Pierrefonds land parcelling - 240 lots
 Design and Supervision
- 2004** **National Housing Development Company**
 Design and Supervision for the construction of 500 low cost houses including on-site and off-site infrastructure and on-site disposal systems at various locations, including an earth retaining structure 10m high. MUR 250million
 Financing Agency : NHDC/Government
 At the head of a team including Architect, Quantity Surveyor, Site Engineers etc. Design of water and sewerage pipelines, septic tanks and leaching fields
- 2003** **Quran House**
 Project Management of construction of a school. MUR 200 million
 Financing Agency : Islamic Development Bank
 Responsible for general supervision of project team and all contractual matters, including tendering, contract documents and payments