

## Water Treatment Specialist



### Our Competences

Waste water | Industrial effluents | Potable water | Desalination | Sludge treatment | Deodorisation

### Our Services

Advise | Design | Construct | Treat | Recycle | Maintenance | Training



## Presentation

The **OISEL** group is specialized in the conception, design and construction of water treatment plants:

- Waste water
- Potable water
- Desalination plants
- Industrial process water

Established in Mauritius and in Reunion since 2001 **OISEL** is present to assist localities, industries, hotels and property developers in the much specialised field of water treatment.

Our regional presence and our qualified personnel offer a prompt technical follow up to our clients.

Rapid response, site inspection, training, after sales service, technical discussions and optimisation of process are the key words in the services offered.

From the past projects and its local involvement **OISEL** has acquired enough experience and expert know how on the process problems specific to each of the islands and countries in the region.



## Our Team

**OISEL** team, with more than 10 years experience, comprises engineers well versed in the field of water sciences and technologies, qualified electromechanical (electrical, automation) technicians, draughtsmen and execution team.

Our team is at your disposal to visit your sites, study your problems relevant to our competencies and train your operators and maintenance staffs in order to optimise the efficiency of your plants.

Being totally autonomous locally, **OISEL** guarantees a rapid response to your requirements.



# Our Competences

**OISEL** covers the whole of the water usage cycle from upstream to downstream use, by making use of all available technologies to meet the specific requirements of a project and achieve the standards imposed and the targeted quality.

## Waste water

### Primary treatment

- Screening
- Sand and grit removal
- Degreasing
- pH neutralisation



### Physico-chemical treatment

- Coagulation
- Flocculation
- Floatation
- Sedimentation



### Biological treatment by suspended culture reactors

- Activated sludge
- Extensive solutions
- Ponds, sewage lagoons



### Biological treatment by attached-growth process

- Rotating biological contactors
- Bio-filters
- Submerged fixed supports



### Filtration

- Membrane
- Sand
- Activated carbon



### Disinfection

- Ultra violet light
- Chlorination
- Ozone



## Reuse of water

- Irrigation
- Recycling for industrial use



## Potable Water

- Coagulation & flocculation
- Lamellar clarification
- Filtration (sand, activated carbon and/or membrane...)
- Disinfection
- Storage & redistribution



## Sludge

- Dehydration (centrifugation, filter press, gravity belt thickener...)
- Stabilisation (lime...)
- Air Drying
- Composting



## Odours

- Deodorisation by physisorption
- Biological deodorisation



## Seawater Desalination

- Interception
- Reverse osmosis
- Mineralisation
- pH control
- Mobile unit, containerised packaged plant and others



# Our Services

## Conception & Turn Key Projects



## Rehabilitation Works



## Maintenance & Operation



## In Situ Expertise Optimisation of Processes



## Training & Technical Assistance



## Contacts

oiselgroup@oiselgroup.com  
www.oiselgroup.com

### OISEL Maurice OISEL Overseas

31 Nicolay Road, Port Louis  
Republic of Mauritius  
Tel: +230 206 52 90  
Fax: +230 217 52 91

### OISEL Nouvelle Calédonie

Centre Sud BP 2510  
98846 Nouméa Cedex  
Nouvelle Calédonie  
Tel: +687 46 04 66  
Fax: +687 28 91 84

### OISEL Réunion

18 bis, Route du Moufia  
97490 Sainte-Clotilde  
La Réunion  
Tel: +262 (0) 262 21 92 57  
Fax: +262 (0) 262 41 04 18

