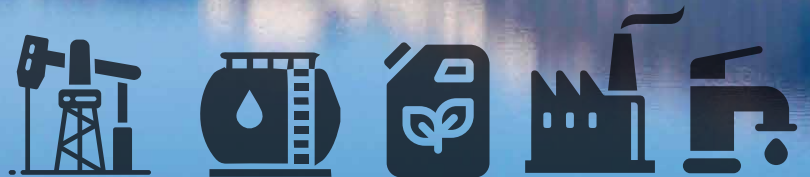


ecopreneur

# WASTEWATER TREATMENT **WATER AND SEWAGE WATER**



# ABOUT US

Since 1990 we have been developing high value-added **ENVIRONMENTAL SOLUTIONS** in the field of efficient management of water and urban and industrial effluents.

Our company stands for **RELIABILITY AND TECHNOLOGICAL INNOVATION**, providing solutions, equipment and turnkey projects tailored to each client's particular needs.

Our professional team is highly trained and has extensive know-how in process technologies, allowing us to outline a solution for each client.

We design **OUR SOLUTIONS** with the aim of reducing energy consumption, chemical products and workforce as much as possible. We believe that operating costs are a key variable to the sustainability of a project.

We offer an efficient **AFTER-SALES SERVICE** that provides a quick response to operational and maintenance problems in water and effluent plants.

# VISION

To be the leading company in environmental solutions in the region, applying cutting-edge technologies, providing an excellent service and contributing to the sustainability of the planet.

# MISSION

To develop high value-added environmental solutions in the field of efficient management of water and urban and industrial effluents.





# WHAT WE DO

- 💧 We design and build turnkey plants for the treatment of water, urban and industrial effluents.
- 💧 We provide engineering solutions for the reuse and recovery of water, and the generation of biogas to use as clean energy.
- 💧 We provide environmental equipment and services for the sustainability of cities and industry.





01

# WATER EFFLUENTS

Our company has the necessary expertise and the appropriate technology to provide drinking water treatment for any source of water, with all kinds of pollutants.

Water is used by industries in their production processes, steam generation, cooling, cleaning, among other applications. It is also used for human consumption.





## SOME OF THE SYSTEMS WE HAVE AVAILABLE

- Softening
- Reverse Osmosis
- Tubular or plate decanting
- Ion exchange
- Conventional filtration or continuous backwashing
- Mixed bed
- Electrodeionization (EDI)
- Activated carbon filters
- Microfiltration
- Ultrafiltration







02

# URBAN EFFLUENTS

**URBAN EFFLUENTS** are the main cause of water bodies contamination in our region. For this reason, municipal wastewater treatments and nutrient removal are the big challenge to be faced.





## TREATMENT SYSTEMS

### PRIMARY

Automatic Gratings, Static/Rotary Screens, Solid Compactors, Sand Washing Classifiers, Grease and Oil Separators, Compact Pretreatment Equipment for Atmospheric Truck Dumping.

### SECONDARY

Activated Sludge, Anaerobic Reactors, SBR, MBBR, Bio-filters, Biological Nutrient Removal.

### MOBILE BRIDGES

Sedimentation Bridge, Settling vessel, Sand Trap Bridge, Sludge Thickener Bridge.

### REUSE

Tertiary Filtration, Ultrafiltration, Bio Membrane Reactors (MBR) Disinfection.

### SLUDGE

Anaerobic/Aerobic Digestion, Sludge Dehydration: Belt Filters, Decanter Centrifuges, Filter Presses, Screw Presses, Disc Presses.



Bella Vista Prov. Bs. As



Nordelta



Duas Rodas



Las Heras



03

# INDUSTRIAL EFFLUENTS

**INDUSTRIAL EFFLUENTS** are the discharges of residual liquids from various production processes. Every industry generates effluents of different characteristics. At Ecopreneur we have the **KNOW-HOW AND THE NECESSARY TECHNOLOGIES FOR THEIR TREATMENT.**







At **ECOPRENEUR** we provide **INTEGRAL SOLUTIONS** for engineering services, process optimization, equipment or turnkey plants covering all industrial segments.

## WATER REUSE

Increased cost, reduced availability or poor quality of water are some of the reasons why reuse of effluents is an alternative for industries to consider.

At **ECOPRENEUR** we develop integral projects where we recover water with Tertiary Ultrafiltration Systems, Reverse Osmosis, Pressure Filtration, MBR (Membrane Biological Reactor), among others.



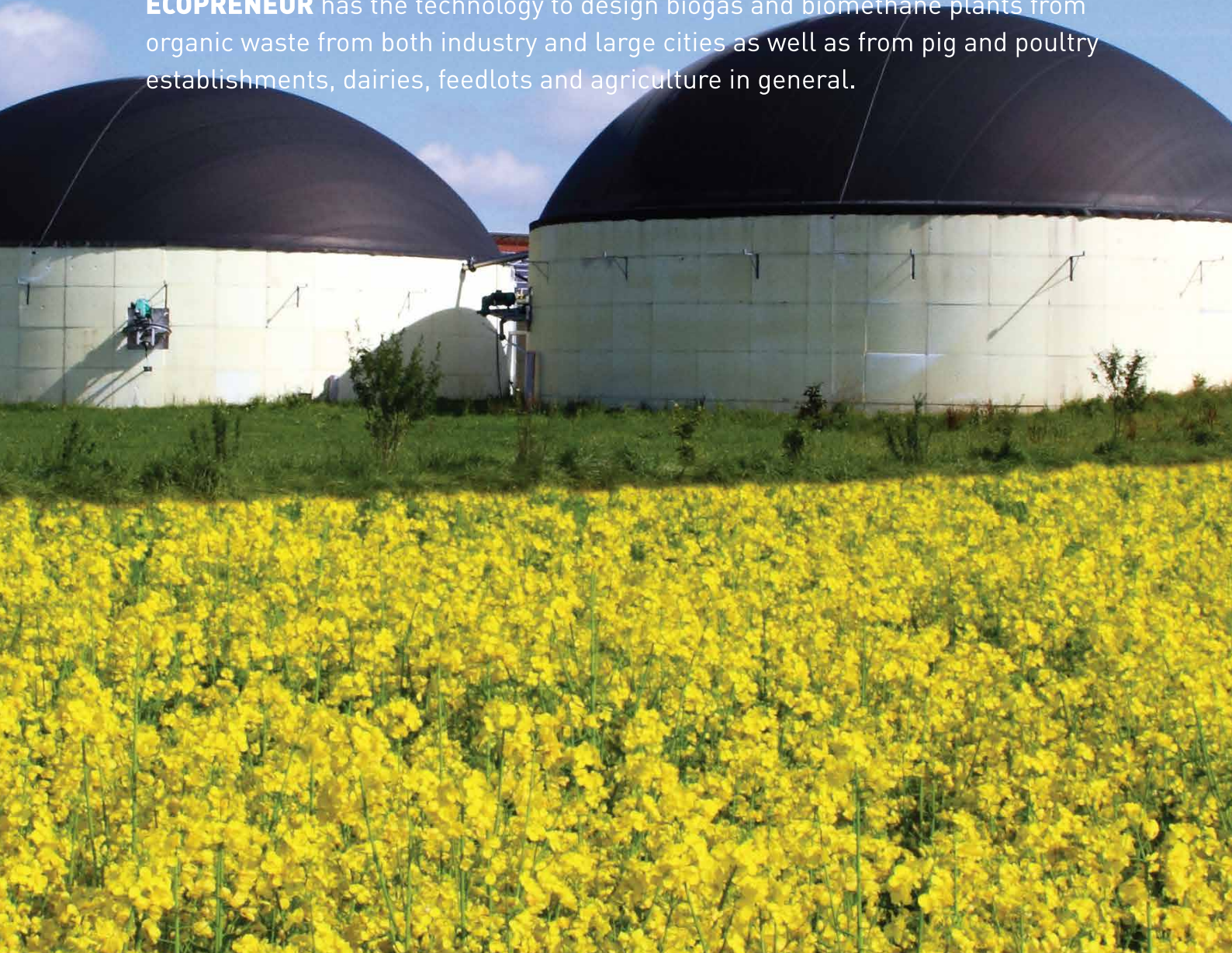


04

# RENEWABLE ENERGIES

Biogas plants are not only economically profitable, but also the perfect solution for the reuse of agro-industrial substrates, which benefits the circular economy and the environment.

**ECOPRENEUR** has the technology to design biogas and biomethane plants from organic waste from both industry and large cities as well as from pig and poultry establishments, dairies, feedlots and agriculture in general.







## AVAILABLE TECHNOLOGIES

### 💧 **HIGH RATE REACTOR WITH INTERNAL CIRCULATION REACTOR (IC REACTOR)**

Latest technological development in anaerobic treatment for industries, which is used for the treatment of effluents with high organic loads and low space availability.

### 💧 **UASB REACTORS**

Anaerobic process used for the treatment of industrial and municipal effluents.

### 💧 **LOW RATE REACTOR**

It is primarily used in industrial and agro-industrial establishments where space is not limiting. It is a requirement to cover the reactor with a membrane for the capture of biogas as well as a correct process design for a more efficient treatment.

### 💧 **BIODIGESTER**

Technology used in agribusiness, specifically applied in pig and poultry farms, feedlots, dairy farms, among others. Such technology allows the treatment of effluents with high solids content. The resulting is the generation of biogas and bio fertilizer.



05

# OIL & GAS







## INTEGRAL SOLUTIONS FOR FIELDS

In the Oil Industry and in particular, in the Oilfield area, water is a primary resource that must be **TREATED PROPERLY.**

**ECOPRENEUR** offers in this field a wide range of technologies for water treatment, selecting, in all cases, the most economical technical solution suitable for the particular conditions of the Oilfield, which optimizes its use and produces the lowest possible impact on the environment.

We have the best alternatives to **OPTIMIZE INVESTMENTS** and reduce operating costs. We also offer the possibility of renting mobile or fixed equipment to give a **PROMPT RESPONSE TO CUSTOMER NEEDS**, providing flexibility to the immediate need and at the same time a better position for future expansions.

## POSSIBLE SOLUTIONS

- 💧 Hydrocarbon/water separation for re-injection into secondary oil recovery schemes.
- 💧 Recovered water treatment (produced water) for tertiary oil and/or tight oil/gas recovery.
- 💧 Flowback treatment to meet reuse requirements.
- 💧 Multipurpose modules for in-situ pilot testing.





06

# EQUIPMENT AND SERVICES







## TREATMENT SYSTEMS



Automatic Fine & Coarse Screens



Rotary Screen



Externally Fed Drum Screens



Pretreatment Plant- Atmospheric  
Truck Recipients



Sand Washing Classifiers



Dissolved Air Flotation "D.A.F"



Parkson Biolac®



Sludge Dewatering Decanter,  
Sludge Filter, Filter Press, Belt Filter



Lamella Settler



Parkson Dynasand®



Reverse Osmosis



Bridge Scrapers





ecopreneur

Headquarters

**ARGENTINA**

Perú 699, CABA

Tel: +54 11 4361-8555

info@ecopreneur.com.ar

Subsidiaries

**BOLIVIA**

info@ecopreneur.com.bo

**PARAGUAY**

info@ecopreneur.com.py

**URUGUAY**

info@ecopreneur.com.uy