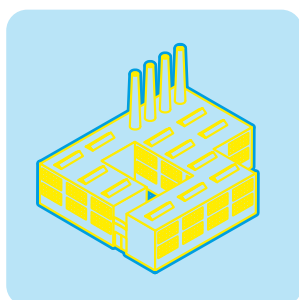
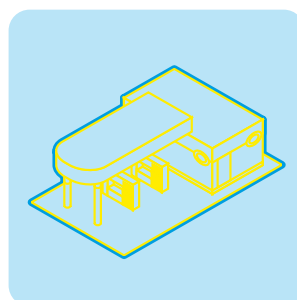




INDUSTRIAL WASTEWATER TREATMENT PLANT



**Industrial
water**



**Hydrocarbon
separation**

About us

Salher provides custom-made solutions according to the nature of industrial wastewater.

Our engineering department designs global solutions using the study and analysis of the industrial wastewater to design and manufacture our equipment.

Our main customers operate in the following sectors:

Food industry Refrigeration industry and meat industries Beverage industry Lixiviates
Oil & gas sector Refinery Mining sector Transportation and logistics Construction sector

OUR INDUSTRIAL WASTEWATER TREATMENT PRODUCTS

Pretreatments

- Automatic screening systems. Available mesh sizes: 0,25–10mm with dehydration system and waste compaction.
- Automatic removal system. Separation of organic greases and oils by density difference and flotation.
- Homogenization tanks with a period flow control and pH control.



Advanced primary treatments

- Dissolved Air Flotation (DAF).
- Lamellar settling.
- Chemical dosing systems.



Secondary biological treatment

- Activated Sludge.
- Membrane Bio Reactor technology (MBR).
- Moving Bed Biological Reactors technology (MBBR).
- Nitrogen and phosphorus removal.
- Reagents and nutrients dosing.

Tertiary treatments

- Filtration.
- Ultrafiltration.
- Disinfection.
- Reverse osmosis.



Sludge dewatering

- Thickeners.
- Filter bags.
- Filter press.





Manufacturing of modular and compact GRP and stainless steel equipment

Our products are manufactured in the EU and they are certified in accordance with ISO 9001: 2008, EN-858, EN-12566 and CE standards. The structural strength, chemical resistance and hydrostatic tests are certified and in accordance with EN 976 and EN 858 standards.

Modular and prefabricated industrial wastewater treatment plants

Technical Consulting - Engineering.

Complete treatment lines. Treatment flow ranges from 10 to 2,000m³/day.

We manufacture and assemble high capacity reactors from 1,000 to 100,000L (45,000L if sea shipping is required).

Our treatment lines with account for the specifics of the industrial wastewater: variable and/or irregular flows, high levels of industrial pollutants and high quality levels required in discharge, seasonal activity, lack of space, visual impact and environmental problems.



Hydrocarbon - oil/water separators

Treated flows from 0.5 up to 1,000 l/s with or without by-pass.

Our hydrocarbon separators are manufactured in the EU and in accordance with EN-858 standard.

Instrumentation: probes, hydrocarbon analyzers.

Optional equipment: mechanical skimmers, storage tanks for separated oil, oleophilic filters, absorbing filters, lamella.

International references: mechanical workshops, car washes, supermarket parkings, highways and roads close to sensitive areas or national parks, aircraft runways and aprons, airports, petrol stations, power and solar thermal power plants, combined cycle plants and petrochemical industry.

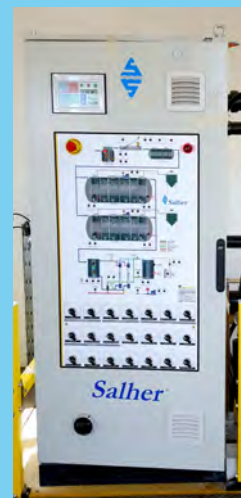


Automation and instrumentation

Our control equipment ensures proper maintenance and strict adherence to the required water quality standards.

Panel board: can include PLCs, SCADA with remote control and alarm reporting via SMS.

Instrumentation: flow measurement systems (electromagnetic flowmeter), water level, continuous measurement of COD, dissolved oxygen, nitrates, pH, chlorine and variable frequency drives.



Containerized mobile treatment plants

The treatment system can be built into 20' or 40' containers, ready to operate with optimal thermal insulation. The plant can include: screening systems, physicochemical treatments, tertiary treatments, odour removal treatments, etc.

Tertiary treatments for industrial water reuse

Our industrial water reuse solutions treat wastewater issued from car washes, beverage and food industry. Easy to operate, the staff in charge of the maintenance is trained by our qualified technicians.



Our services

Engineering and project management

- Project development.
- Study of treatment solutions.
- Improvement of existing plants.
- Complete design of new plants.

Design and consulting

- Sampling and discharge characterization.
- Study of solutions according to the available area, the degree of automation of the plant, the needed degree of sludge dehydration, etc.
- Our designs are adapted to the specific needs of the customer.
- Our purpose is to provide a full solution by choosing adapted equipment and instrumentation.

Manufacturing

- Fabrication of complete and / or modular plants.
- Our equipment is manufactured in GRP and stainless steel.
- All products are in accordance with ISO 9001:2008.
- 35 years of experience in WWTP production.

Commissioning

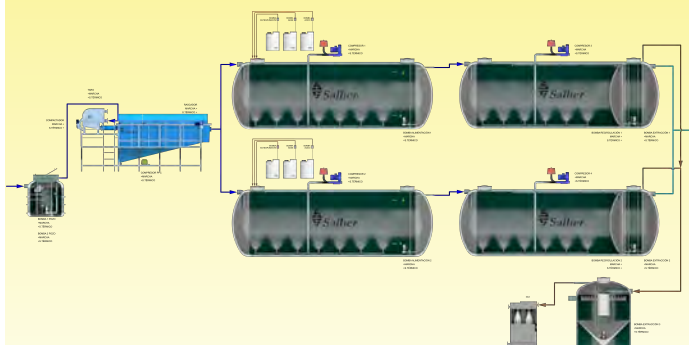
- Technical assistance.
- Electromechanical and electrical control by our technicians.

Maintenance

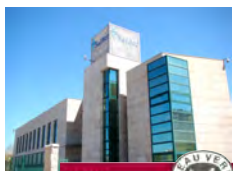
- A qualified technical staff is in charge of maintenance and control.

Training courses and technical manuals

- Theoretical and practical training.
- Operation and maintenance manuals provided.



Flowcharts for the study of alternatives.



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