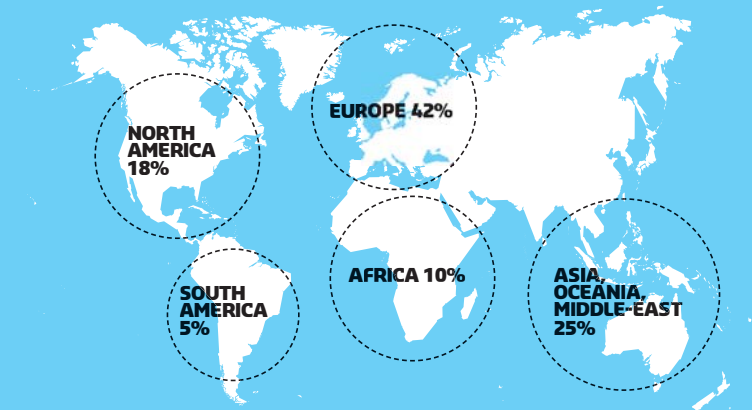


DEGRÉMONT **THE BASICS**

COMMITTED TOGETHER
TO WATER,
A SOURCE OF LIFE



PROFILE



PRESENT
IN MORE THAN
70 COUNTRIES

→ SALES 2009

MISSION

Committed together to water, a source of life

International water treatment specialist Degrémont designs, builds, operates and equips facilities that combine technical and economic performance, while respecting site environments, whether natural or urban.

By the nature of its activity, the company is a key player in sustainable development and today stands as a major innovator in sustainable water resource management. It is therefore fully committed to the SUEZ ENVIRONNEMENT strategy of contributing to a responsible economic model that protects and respects ecosystems.

4

CORE BUSINESSES

01 | Design-Build

Both project manager and water treatment expert, Degrémont controls all the stages involved in designing and building plants, including design studies, plans, works and commissioning.

02 | Operation and Services

With versatility in mind, Degrémont has developed an extensive range of services geared toward running plants smoothly, such as operation, maintenance, process optimisation, technical support and service continuity.

In 2009, Degrémont's operations teams provided nearly 20 million inhabitants with drinking water and treated wastewater from 25.6 million equivalent inhabitants.

03 | Equipment

To meet requirements for modernising existing facilities, Degrémont Technologies offers a range of bespoke equipment. As such, customers benefit from patented, packaged technologies offering high added value.

04 | BOT (Build, Operate, Transfer)

As part of its BOT offering, Degrémont provides a fully integrated and optimised service for financing, building and operating facilities. The customer finances facility operations and amortisation of the invested capital. At the end of the contract, the plant is handed over to the customer.

A STRATEGY PROMOTING RESPONSIBLE DEVELOPMENT

€13.4 million
devoted to R&D in
2009



The accreditation for a
socially responsible and
ethical company

INNOVATION

Developing the technological solutions of the future

→ Research and innovation have been the two driving forces behind Degrémont's growth over the years. More than 500 technological solutions have been patented to date. Over 100 staff work on developing products designed to meet future requirements and regulations. These incorporate key selected areas, such as improving health and safety, conserving fresh water and energy resources, and protecting the environment and quality of life.

ENVIRONMENT

Working for sustainable resource management

→ The first water engineering company to obtain ISO 14001 certification in 2000, Degrémont ensures that sustainable development forms the backbone of its activity. Its Research & Development department continually strives to improve the ecological performance of products and business processes. Concern for the environment also influences the design of facilities and how their operational processes are defined. This concern translates into initiatives aimed at improving the energy balance of units, producing renewable energy sources, safeguarding marine environments and recovering by-products.

QUALITY, SAFETY, ETHICS

Making excellence standard practice

→ Mindful of compliance with regulations and changes in regulations, Degrémont is committed to a programme of continuous improvement for all its business processes. Its goal is to implement and deliver the same standards of quality and safety at all levels of the company and in all countries. Encouraging the sharing of best practices, this approach is a driver for fast progress, entirely in line with market needs and the group's social commitment. In June 2009, Degrémont's work was formally approved by GoodCorporation, which identified it as an ethical company demonstrating real social responsibility.

4,400
EMPLOYEES

Promoting the development of talent across the world

→ To guarantee that the group's resources match its international standing and strengthen the expertise level of its activities, Degrémont recruits staff throughout the world. All employees within the group are closely monitored on a long-term basis and attend targeted skill-improvement programmes based on training schemes designed, revised and led by in-house experts. Geographical and functional mobility is also encouraged, making careers more attractive.

5 AREAS OF EXPERTISE



01

DRINKING WATER PRODUCTION

Supporting local authority development

→ Thanks to the diversity of its technological expertise, Degrémont has the capacity to build high-performance facilities whatever the nature of the resource: surface water, ground water, brackish water or sea water. This is an especially valuable asset given the “mixed” nature of the market, which includes both developing countries looking for accessible solutions and industrialised countries whose priority is improving wellbeing and health and safety.

1.3 million m³ of ultrafiltrated water per day

→ Already widely deployed at French sites, **ultrafiltration membrane technology is making headway today** in Asian and Eastern European countries. This Moscow (Russia) plant is a case in point, producing 275,000 m³ of ultrafiltrated water a day via 1,344 Aquasource membrane modules.



02

DESALINATION

Potential applications for regions suffering water scarcity

→ Forty years after Degrémont built the first reverse osmosis desalination plant, this market has become considerably important in areas with limited fresh water resources. With its expertise in water treatment and its professionalism as a builder-operator, Degrémont offers unique, leading-edge processes for each phase, focusing in particular on purification upstream of reverse osmosis desalination, a phase which governs the yield, reliability and durability of the membrane systems.

Over 250 desalination plants built in 35 countries

→ When it won the contract to build and operate a facility near **Melbourne** (Australia), Degrémont became one of the key players in **the largest public-private partnership project in the world** in the desalination sector. With a capacity of 450,000 m³ of drinking water per day, the plant will supply nearly one third of the city's water requirements. The energy needed to produce and deliver the drinking water will be 100% renewable, provided in particular by a new wind park located in the State of Victoria.

Degrémont employees aspire to uphold the principles which, for over 70 years, have driven them to excellence: be ambitious for Degrémont, commit with courage, create trust through respect and integrity, progress and help others to progress. It is this culture that is the source of the company's expertise and performance.



03

TREATMENT AND RE-USE OF URBAN WASTEWATER

Optimising and preserving water resources

→ Due to population pressure, wastewater purification represents half of all water treatment in the world. Degrémont's expertise and experience in this field enable it to offer local authorities and industries alike total health and environmental safety in full compliance with regulatory constraints. Degrémont also offers processes for re-using purified water for agricultural, urban or industrial needs or restoring natural water reserves. Energy optimisation is also a key focus of the Degrémont offer.

160 km³ of treated water each year, of which **7.1 km³** are recycled

→ Opened in 2008, the **As Samra** wastewater treatment plant in Jordan is virtually **self-sufficient in energy**, a world first for an installation of this size (530,000 m³/day). Designed to re-use around 100 million m³ of purified water per year, the plant also reduces the quantity of drinking water used by the agricultural and industrial sectors.



04

SLUDGE TREATMENT

Long-term solutions to meet the needs of all sectors

→ Owing to regulatory changes and improved wastewater treatment processes, quantities of sludge left over from treatment are constantly increasing. To tackle this problem, Degrémont offers its customers a wide array of processes, ranging from digestion to destruction and including thickening, dewatering and drying. The goal: to turn sludge from a waste product into a product with added value for agriculture or energy.

30 Innodry® 2E sludge drying units, **38 Thermylis®** treatment lines and **45 Heliantis** units

→ The **Northeast Ohio Regional Sewer District** (US) selected the Thermylis® HTFB process (high temperature fluidised bed) to treat sludge from the *Southerly Wastewater Treatment Center* (300 US tons/day). The District recognised this thermal oxidation process as the most cost-effective, efficient and environment friendly.



05

INDUSTRIAL WATER TREATMENT AND PRODUCTION

Offering support with changing regulations and processes

→ Industrial wastewater treatment is a fast-expanding sector. In partnership with Ondeo IS (a SUEZ ENVIRONNEMENT subsidiary), and thanks to its expertise in a very large number of processes, Degrémont is able to offer appropriate solutions for treating industrial wastewater. Plus, its capacity to produce water compatible with the requirements of the most sensitive industries enables it to improve industrial processes and provide a raw material that is vital to the manufacture of many products.

Solutions for the oil & gas industry, iron and steel, the paper industry, petrochemicals, thermal power plants, etc.

→ To help the **Replan refinery** in Brazil improve its end product, Degrémont is refurbishing and extending the **treatment plant for producing process water** (600 m³/h). On the agenda: ultrafiltration, reverse osmosis, ion exchange, ozone and ultraviolet disinfection coupling (a first for a refinery in Brazil). Degrémont will also provide the new condensate treatment and modernise the wastewater treatment facility, the equivalent of 2,400 m³/h.

70 YEARS OF COMMITMENT AND PERFORMANCE **IN THE SERVICE OF OUR CUSTOMERS**

More than **1 billion** people served
by Degrémont facilities

More than **10,000 sites** equipped with
a Degrémont technology

€1,053 million turnover in 2009

Present in more than **70 countries**

Innovation
Environment
Quality
Security
Ethics

www.degremont.com

