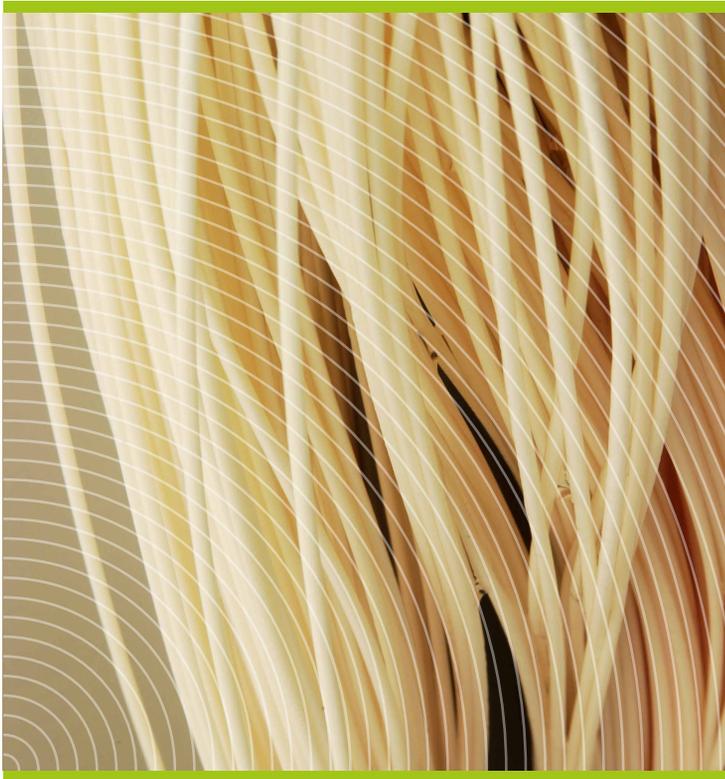


# Ultrafor™

biological purification by hollow fiber ultrafiltration membranes

○ urban wastewater



guarantee the water quality beyond the highest standards

○ **performance**

a quality of treatment optimized by ultrafiltration

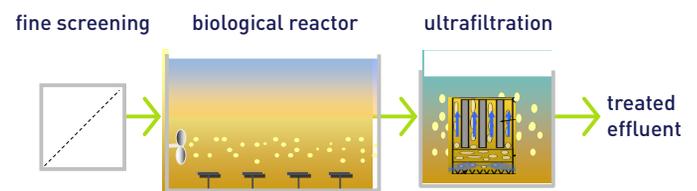
○ **sustainable development**

protection of nature, local populations and water resources

## innovation

using membrane technology to better control the separation between water and sludge

Ultrafor™ is a process of wastewater treatment (residential and industrial) by ultrafiltration membranes. Adapted to all installation sizes, Ultrafor™ combines a biological treatment with filtration membrane.



## key figure

**0.035**

µm nominal pore size creating a physical barrier against bacteria



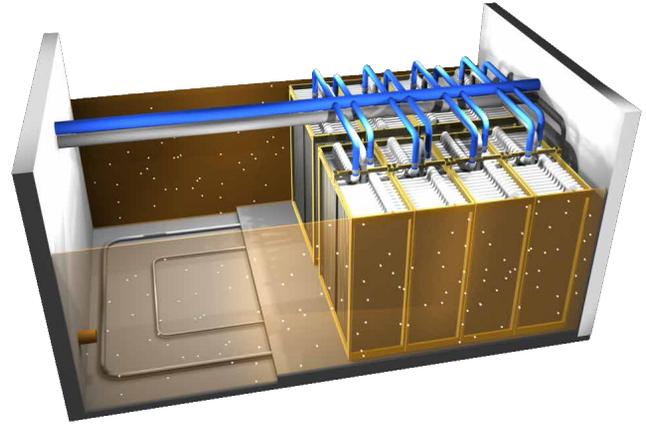
## Ultrafor™ technology . . .

Ultrafor™ combines both a biological treatment using activated sludge and a clarification by immersion of ultrafiltration membranes. Water to be purified enters into a reactor where it is put in contact with a purifying bacterial mass before passing through the membranes.

**An almost total elimination of SS:** Ultrafor™ functions according to the out / in principle of immersion filtration, in other words a filtration flow from exterior to interior.

Membranes are bundled in modules set within racks, which are placed one next to the other in an immersion tank.

These hollow fiber membranes have of 0.035 µm nominal pore size, which creates a true physical barrier for the elimination of bacteria, and helminth eggs, and a reduction in fecal coliforms.



The membranes used in this process are hollow-fiber membranes manufactured by the GE Company.

## . . . what it can do for you



### SUEZ treatment infrastructure

[innovation.mailin@degremont.com](mailto:innovation.mailin@degremont.com)

[www.degremont.com](http://www.degremont.com)

## among our references

**Lusail Doha, Qatar**  
capacity: 60,000 m<sup>3</sup>/d

**la Morée, France**  
capacity: 60,000 m<sup>3</sup>/d

**Bréhat, France**  
capacity: 300 m<sup>3</sup>/d