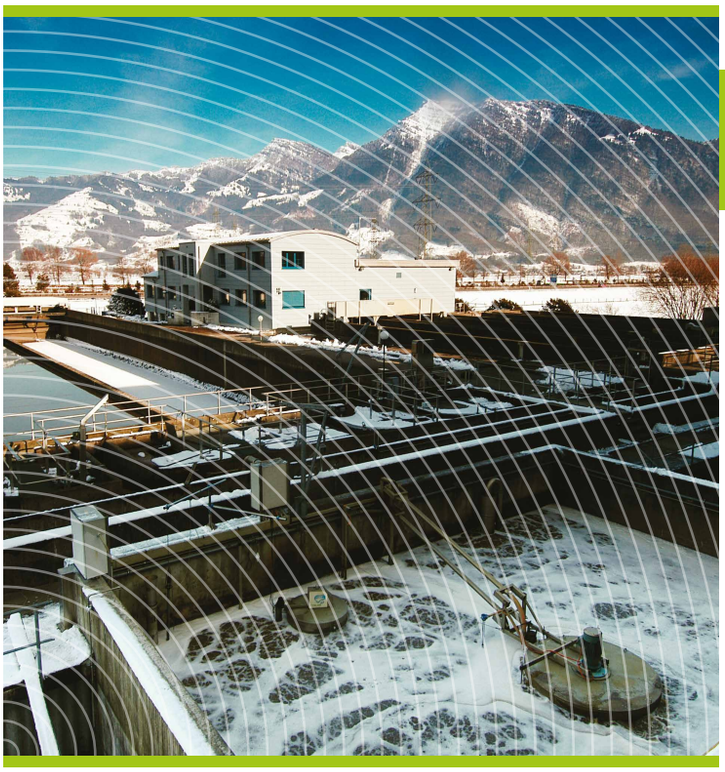
Cyclor®

activated sludge by sequencing batch reactor

urban wastewater



simplify wastewater treatment in a compact system

compact

greatly reduced footprint and ease of integration

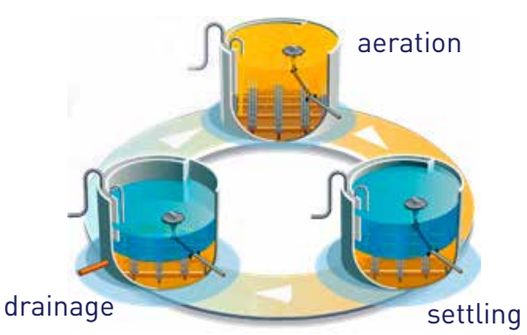
performance

a complete treatment system allowing discharge in sensitive areas

innovation

the SBR (Sequencing Batch Reactor) process allows the completion of all treatment phases, successively, within the same tank

Cyclor® is an activated sludge wastewater treatment process that is compact and designed for discharge in sensitive areas.



key figure

floor area reduced up to:

40%

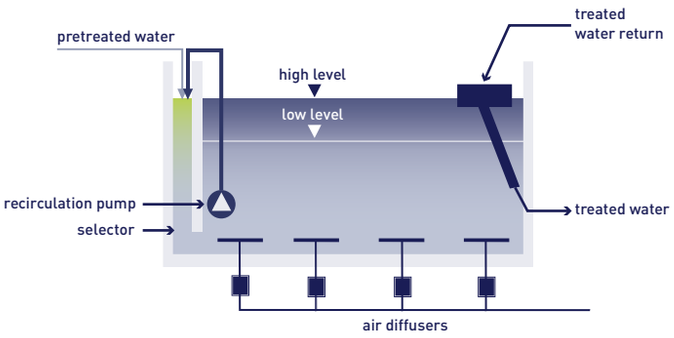
over classic activated sludge treatment

suez

Cyclor® technology . . .

Cyclor® is designed for wastewater to treat carbonaceous, nitrogenous and phosphorus pollutions. It is particularly suitable for discharge in sensitive areas.

A discontinuous sequential process: Cyclor®'s advantage is its mode of operation: part of the SBR family (Sequencing Batch Reactor), it is made up of cells which together complete a discontinuous sequential process, where all treatment phases take place in one and the same tank. Treated water is discharged during the decanting phase using a patented floating decanter.



. . . what it can do for you

flexibility and ease of use

- a design that is compact and easy to integrate
- modularity assures continuous service for all capacity increases
- adapts to seasonal load variations
- simplicity of activated sludge processes
- reduced maintenance
- simple and interactive automation

treatment performance

- optimization of denitrification reactions and biological phosphate removal
- improves the decantability of the sludge and favors the formation of flocs
- a water recovery system guaranteeing the absence of SS leaks or floaters in the treated water

among our references

le Havre, France
capacity: 415,000 PE

Pithiviers, France
capacity: 1,200,000 PE

Gradil, Portugal
capacity: 5,000 PE

P-ER-004-EN-1603

Conception & Realisation: O. Barbier (SUEZ) - Photos credits: SUEZ