



# Meteor™-IFAS

biological purification of wastewater  
by combined cultures

○ urban wastewater



remove carbon and nitrogen in wastewater  
using a very compact solution

○ flexibility

a solution that supports strong load  
variations, notably in cold zones

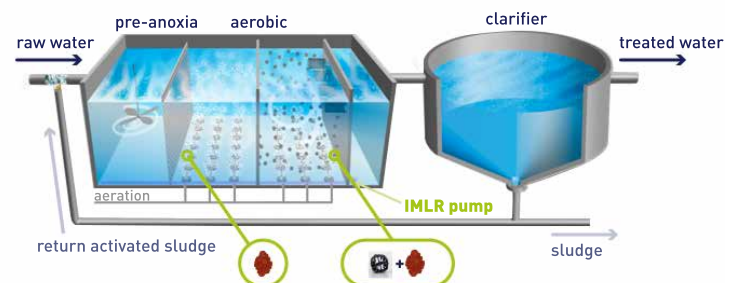
○ environment

a solution that conforms to the strictest  
discharge regulations while controlling  
costs

## innovation

an intermediary (combined cultures) solution  
combining the advantages of fixed-film  
culture (like biofiltration) and suspended  
growth technology (like activated sludge)

Meteor™-IFAS is a biological process by combined culture specially developed  
for nitrogen and carbon removal.



## key figure

nitrification potential

**3** times higher than  
in conventional  
activated sludge



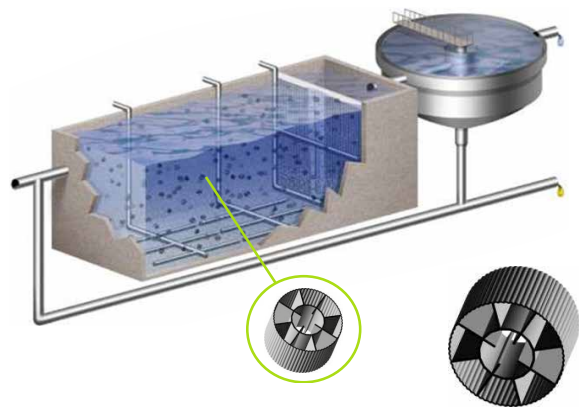
## Meteor™-IFAS technology . . .

Meteor™-IFAS can be used for the treatment of raw water from urban areas and the pretreatment of industrial water.

This process adapts equally well to the upgrading of existing systems, and the construction of new units.

**Two biomass systems, a single reactor:** Meteor™-IFAS is a biological process by combined culture specially developed for nitrogen and carbon removal.

The treatment of carbon is assured by suspended growth technology (activated sludge) while nitrogen treatment is assured by fixed-film technology: two distinct biomass systems (biomass flocculation and biofilm carriers) coexist within the same reactor.



## . . . what it can do for you



### compact

- volume needs of the structures are considerably reduced compared to conventional activated sludge

### flexibility



- the process supports strong load variations particularly in cold zones (i.e. mountainous zones)



### environment

- an effluent quality that conforms to the strictest regulations on discharge while controlling costs

### easy to operate



- no load loss or washing
- a high level of automation / system reliability
- ease of integration within existing stations
- ideal for upgrades: raise the quality level of discharge, as well as the load to be treated

## among our references

**Groton, CT, USA**  
capacity: 19,000 m<sup>3</sup>/d

**Falling Creek, VA, USA**  
capacity: 53,000 m<sup>3</sup>/d

**Proctor's Creek, VA, USA**  
capacity: 135,000 m<sup>3</sup>/d