



WATER DIVISION

# Waste water



---

Proper treatment and management of liquid waste is a commitment to ensure less pollution and a better future for the generations to come.





## WASTE WATER MANAGEMENT

Optimisation of the performance of chemicals and/or auxiliary biotechnologies can significantly reduce overall costs and maximise return on investment, regardless of discharges into surface receptors or into a municipal or consortium waste water system.

NCR Biochemical helps its partners through an overall waste water management approach able to verify the various streams of pollutants and optimise the treatment processes which do not necessarily have to be carried out at "end of pipe". This approach offers cost savings by promoting water reuse and by reducing and/or avoiding unnecessary treatment costs.

The higher incidence of purification costs is, on average, represented by energy costs and disposal of sludge. NCR Biochemical offers its customers decades of experience in the sector, in order to optimise these costs.

## TECHNICAL SERVICE

Our technical service includes chemical analysis of water, sludge analysis, determination of the biotic indices with optical microscopy checking, respirometry tests, laboratory clariflocculation tests, tests in a pilot plant, cost analysis and plant engineering advice.

# Product range

### CHEMICAL-PHYSICAL SECTION

- POLYREN® 1500 series  
Mineral and organic coagulants  
"Green" and eco-friendly organic coagulants  
Dephosphating agents
- POLYREN® 3000, POLYREN® 4000 and 6000 series  
Synthetic anionic polymers, for sludge flocculation and dewatering (solid materials-emulsions and aqueous dispersions)
- POLYREN® 5000, POLYREN® 7000 and 8000 series  
Synthetic cationic polymers, for sludge flocculation and dewatering (solid materials-emulsions and aqueous dispersions)
- POLYREN® M series  
Selective flocculants-insolubilisers, for heavy metals
- POLYREN® K series  
Polyvalent mono-flocculants, for small plants

### ANCILLARY PRODUCTS

- BIOFOAM series  
Silicone and non-silicone defoamers with low environmental impact
- BIOTROL – MICRODOR series  
Enzymatic and/or chemical anti-odour product to neutralise toxic gases and provide a healthier work environment

### BIOLOGICAL SECTION

- PROGEN®-ECOSANA® series  
Micro-organisms, for starting and managing anaerobic digesters  
Mixtures of selected micro-organisms and enzymes for treating specific waste such as:
  - Animal and vegetable fats
  - Cellulose residue
  - Surfactants
  - Hydrocarbons
  - Organic residue
  - Nitrogenous residue
- PROGEN® LN series  
Specific micro-organisms for the nitrogen cycle (nitre-denitre)
- PROBIOS® series  
Biostimulants, against bulking and to increase purification efficiency
- PROFOOD series  
Balanced nutrients, to overcome waste water imbalances and deficiencies



**NCR Biochemical** is an international chemical company specialized in water treatment, biotechnology and process additives in the paper and sugar industries. We produce the best chemical technologies, find the best solutions for our customers, develop our own dosing systems and have thirty years experience and expertise in pursuing quality, safety and environmental responsibility. We confront the global industrial reality with a comprehensive scientific approach which brings benefits and results to our clients.



Analysis



Technical assistance



Consulting

[www.ncr-biochemical.com](http://www.ncr-biochemical.com)



### World Network

- Italy | Bologna
- Italy | Milano
- Russia | Syasstroy
- China | Shenzhen
- Luxembourg | Windhof



### Follow us

