

PROPRIETARY TECHNOLOGIES

WATER



Technologies	Description
ACTIDAFF®	Integrated flotation – filtration system on granular bed to remove suspended solids, chlorophyll and turbidity in a single unit.
AINTAKE®	Predictive algorithm for the physicochemical characteristics of the inlet water for process optimization and control.
AIRVAL®	Advanced control systems by means of off-gas analysis for wastewater treatment processes.
ANAEROBIC SYSTEM	Anaerobic system with supported biomass in mainstream wastewater treatment.
AUTOEDAR	Smart system of control, analysis and continuous learning for WWTP.
BIOCONTROL-CARR®	Smart control system in oxidation ditch for wastewater treatment.
BIOCONTROL-NUT®	Smart control system for nutrient removal in wastewater treatment.
BIOCONTROL-P®	Smart pressure control system in aeration manifolds for wastewater treatment.
BIOFILPAS®	Submerged and aerated biological filter to reduce biological contamination and clarification of water.
BIONS®	Business Intelligence of Network Solutions: Cloud service platform to detect, analyze and manage events and incidents in water networks.
BRAINYMEM®	Membrane scouring air flowrate control for membrane bioreactors to optimise energy consumption in wastewater treatment process.
BRAINYSBR®	Control system algorithm for continuous operation of Sequential Batch Reactor (SBR), avoiding homogenization tanks.
BRIDEM®	Calcium hardness meter for water remineralization systems in reverse osmosis water treatment.
Ca & Mg CONCENTRATED STREAM	Ca and Mg-concentrated stream for product water remineralisation.
CATMAN	Management of purchases by categories in tender and supplier management tools / platforms.
COMPeX®	Oxygen compensation system for aerobic wastewater treatment.
DECLAMER®	High performance lamella clarifier equipment adaptable to the specific contamination to be eliminated.

Technologies

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DIFCLEAN®	Portable equipment for chemical cleaning of fine bubble diffusers for wastewater treatment with active sludge processes.
DIFFUSAIR®	Microbubbles nozzle generator in aeration systems of water treatment facilities.
DIGEST-UP®	Sludge pretreatment with Free Amonia (FA) to enhance anaerobic digestion in WWTPs.
DIRECT FILTRATION	Direct filtration of wastewater for reuse using forward osmosis.
DSFILTER®	Deep beds filtration velocity maximization for seawater pretreatment or drinking water and reuse treatment.
ELBO®	High-efficiency cartridge filter for suspended solids retention in solutions that require a high degree of quality.
ELFA®	Nitrogen removal via nitrite for centrate treatment of wastewater treatment plants.
ENERGY MIX SOFTWARE	Energy mix management software in WWTPs.
ePRON®	Control system for biological nutrient removal in wastewater treatment.
ETAPACK	Compact drinking water treatment station for decentralised treatment.
FILMACTIV®	Biofilm system on plastic support for wastewater treatment.
FILTRAB PACK	Modular and compact filtration solution for modular water treatment plants.
FOULDETECT®	Detection of fouling in membranes by current variation in desalination reverse osmosis membranes and ultra and nanofiltration membranes in water treatment plants.
FOULINDEX®	Detection of fouling in reverse osmosis membranes by frequency measurements.
INTEGROIL®	Integrated solution for complex waters reuse controlled by a decision support system (DSS).
INTERΔP®	Device for measuring head loss in reverse osmosis membrane containers for multi-stage desalination.
IONIC AIR DISSOLVED FLOTATION	Ionic air dissolved flotation to remove metal compounds in wastewater treatment and reuse.

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LECTOR	Tool for the automatic detection of alerts and risks in bid specifications or contracts.
MARINE BIOFILTER	Marine biofilter for the removal of organic matter in seawater pretreatment.
NANOBA [®]	Photo-reactor for advanced oxidation processes using UV lamps and a catalyst.
NIPARMOX [®]	Biological partial nitrification-Anammox process to treat sludge digestion returns in wastewater treatment.
OPTIA [®]	Anaerobic membrane bioreactor for wastewater treatment.
OPTIDe [®]	Intelligent dewatering control for wastewater treatment sludge, applying dry matter-based algorithms.
PHOSPHOROUS ADSORPTION	Pre-treatment for the reduction of biofouling in membranes for reverse osmosis desalination.
PREDICTIVE ALGORITHM	Predictive algorithm for the health status of a supply water network in water supply services to populations.
PROBIOTIC MICROBIAL STRAINS	Probiotic microbial strains in wastewater treatment processes to improve biological wastewater treatment.
PROMETHANE [®]	Sludge pretreatment with Free Nitrous Acid (FNA) for the improvement of anaerobic digestion in WWTPs.
REBO [®]	Continuous remineralisation technology for reverse osmosis desalinated water or for treatment of drinking water.
REFO [®]	Control system for combined forward osmosis-nanofiltration/reverse osmosis processes in water reuse.
REMINPREX [®]	Remineralisation system of permeated water from reverse osmosis with pressurized calcite beds.
RODIFLO [®]	Membrane permeate flow measurement device along the pressure tube by mass sensor for reverse osmosis desalination processes.
SCOPE [®]	Automatic calculation system for sludge production in wastewater treatment based on the sludge age required.
SCREEN [®]	Cloud-based energy efficiency remote control system for the optimization of water treatment facilities.

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SEPAFLOC®	Reverse osmosis pretreatment using a submerged filtration system, integrating coagulation, flocculation and sedimentation processes with membrane filtration.
SeTOP®	Recirculation flow control of the secondary decanters of wastewater treatment by the variable volumetric load depending on the inlet flow to the reactor.
SLEVEL®	Device for controlling the level of sludge in lamella settlers.
SMARTEDAR	Intelligent operational management system in biological wastewater treatment.
STARNIT®	Partial nitrification process followed by Anammox biofiltration for the removal of nitrogen in mainstream of the wastewater treatment process, improving biogas production.
UFAC®	Microalgae removal by ultrafiltration and adsorbents for pretreatment in reverse osmosis desalination processes.
ULTRADAF®	Dissolved air flotation (DAF) for the removal of suspended solids in water treatment systems.



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