



# Closing the water loop

Food, Beverage and Dairy

#missionwater



## Nijhuis Saur Industries expertise

- Integrate systems and act as EPC or DBFOM contractor
- Tailormade technologies and global solutions
- Provide (mobile) services and consumables
- Operate and maintain (O&M)

## Customer benefits

- **Reduce** surcharges / discharge cost
- **Reduce** and recover energy
- **Reduce** sludge discharge cost
- **Reduce** nitrogen, stripping ammonia
- **Remove** pollutants, be compliant
- **Reuse** water, reduce water footprint
- **Recover** fat, recover biodiesel
- **Resilience**, meet sustainability goals



 aqua-chem  flootech

 byosis  econvert

 mobile water solutions



## Service & aftermarket

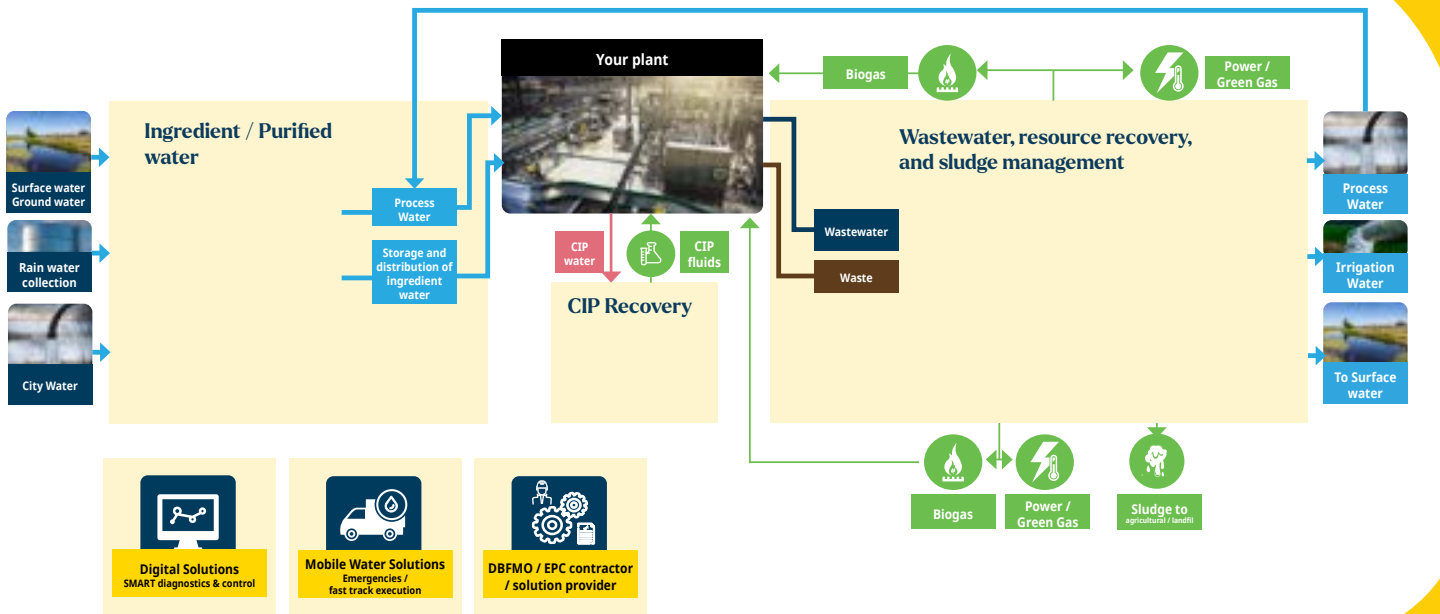
- PM Programs / Service agreements
- Remote monitoring & controls
- Carbon change-outs
- Operator training / plant operations
- OEM parts supplier
- Mobile water solutions
- Membrane change-out
- Full range of ingredient water system treatment chemicals

## Project delivery

- Design and build
- Engineering consultancy i-CONSULT
- Equipment technology packages
- Design, Build, Own, Operate, Maintain (DBOOM)
- Design, Build, Finance, Operate, Maintain (DBFOM)

## Contact us

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## Ingredient / Purified Water

- Complete water room equipment solutions
- Purified water generation systems
- Filtration systems  
Backwashable Strainers , Sand / Media Filtration, Ultrafiltration (UF) , Bag / Cartridge Filter Skids, Chlorination and Dechlorination, Chemical Dosing Skids
- Activated carbon towers
- Distillation  
Vapor Compression (VC) Distillation
- Reverse Osmosis (RO) filtration  
Sanitary Single or Double Pass RO Skids  
Brine Recovery RO (BRRO)
- Storage and distribution  
Sanitary SST Storage Tanks, Pump Skids Ozone / UV Loop Disinfection

## Wastewater, resource recovery and sludge management

- Screening NTF, NZB
- Flocculator and chemical dosing systems  
i-PFR, NMA, CDU/FDU, i-DOSE
- Dissolved air flotation systems  
IPF, NPF, GDF, DGF / DNF
- Aerobic biological treatment  
BIOCTOR-SBR, -CONTINUOUS, -MBBR/FlooBed®, -HRNR, NEREDA®
- Anaerobic biological treatment  
Econvert- IR, - UASB®, - EGSB®, - DGF®  
Aecomix™-TAURUS / sludge digester
- Sludge management  
Drum filter (NDF), screw press (NSP), decanter centrifuge, belt press
- Polishing, reuse, and disinfection  
High rate i-CSF, CarboPure (CP), Membrane solutions (NMS-UF/dNF/RO), UV Disinfection (NUV), Ozone solutions (NOS)
- Resource recovery  
Biogas utilization (Econvert-DSULPH®), Ammonia stripping /recovery (ByoFlex®), Fat recovery (AECO-FAT), CIP recovery (AECO-CIP)
- NSI Mobile Water Solutions  
Temporary treated water 24/7, Containerized DAF Systems, Plug & Play pure water- and wastewater treatment systems , Modular rental fleet, i-MONITORING

