

i-DAF

Dissolved Air Flotation (DAF) to achieve the reliable removal of solids and oil based on more than 40+ years of DAF experience.

Markets: Food, Beverage, Dairy, Meat, Plastic Recycling



Reducing discharge cost with DAF

Reducing effluent discharge costs, removing pollution (TSS, FOG, COD) and meeting environmental compliance limits are the primary goals when industrial facilities are exploring wastewater treatment investments.

Dissolved Air Flotation (DAF) is one of the most common ways to **remove the non-dissolved pollution** in the wastewater, such as suspended solids, fats, oils, greases.

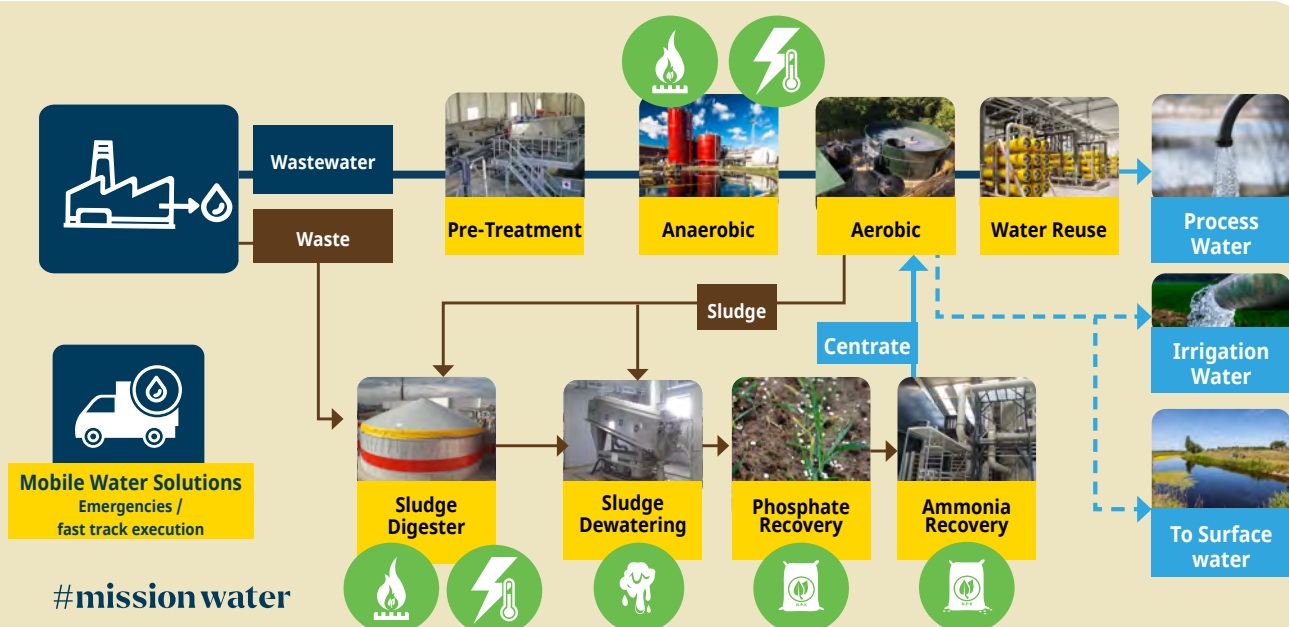
Nijhuis Saur Industries has **reliable and robust DAF systems** available in the market as a key step of wastewater treatment, as modular, mobile and rental solutions.

With over 4,000 wastewater DAF installations, Nijhuis Saur Industries DAF series are the leader in achieving high and stable removal efficiency with **low operation costs in a compact footprint**.

Your i-DAF benefits

- + Reduced CAPEX, maximize removal performance**
i-DAF can be part of a total wastewater solution to maximize treatment performance and system procurement.
- + Reduced OPEX, remove pollutants**
Patented clog-free aeration tube with lower maintenance costs compared to aerated pumps and smart water level control to adapt the sludge collection.
- + Reduced system footprint**
With the specially designed corrugated plate pack technology, the unit footprint can be reduced by up to 85% in comparison to units without plate packs.
- + Reduced risks**
Choosing a mobile or modular i-DAF means partnering with a DAF expert with 40+ years of experience.

«i-DAF is an ideal pre-treatment solution as part of your complete wastewater treatment plant»



Reference Examples

Meat processing plant



Food plant



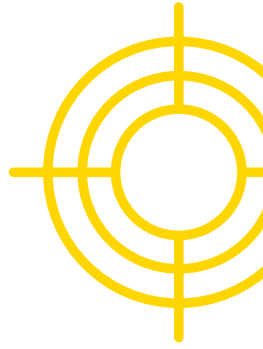
Dairy plant



Plastic recycling plant



i-DAF Product line



For more product details, contact us:

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www.nijhuissaurindustries.com/contact



IPF - Compact dissolved air flotation units for low capacities



NPF - Compact dissolved air flotation units for high capacities



GDF - Open dissolved air flotation units for handling high sludge loadings



DGF/DNF - Dissolved Gas flotation unit using nitrogen-gas or biogas in the aeration system



ICFF - Containerized DAF system based on a plug and play principle



AECO-FAT - DAF is the first step to recover fat from sludge to be used as biofuel

#missionwater

What is DAF and how does it work? Go to:

www.nijhuisindustries.com/solutions/flotation-systems



#missionwater

Discover our complete water solutions and services portfolio:
www.nijhuissaurindustries.com

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