

**Economically sustainable
waste(water) treatment for
commercial / industrial /
municipal clients**

Jacob Krijger
Area Sales Manager

Your partner for innovative and sustainable systems for water, waste, and resource recovery



Water

Systems to assure compliance with effluent discharge regulations and to enable reuse



Waste

Systems to recover valuable materials from solid waste



Bioresources

Systems to extract food grade ingredients from organic waste & wastewater



What we do

- Original Equipment Manufacturer (OEM)
- End-to-end project delivery (turnkey)
- Project Design, Engineering, Construction/Installation, Commissioning
- Operation & process optimization (retrofitting/expansion/upgrading)
- Short- and longer-term rental equipment
- Remote operation monitoring
- Service & maintenance
- Consulting & feasibility study
- Laboratory testing & pilot studies
- Project Management
- Training



Our experience: 3,000+ references in >80 countries

- Fish, meat, poultry processing
- Dairy, beverages
- Petfood
- Other food industry
- Paper and pulp
- Textile & tannery
- Petrochemical & pharmaceutical
- Mining & hazardous
- Domestic & municipal (waste&)water



We focus on reducing OPEX and recovering valuable resources to boost your profit margins.



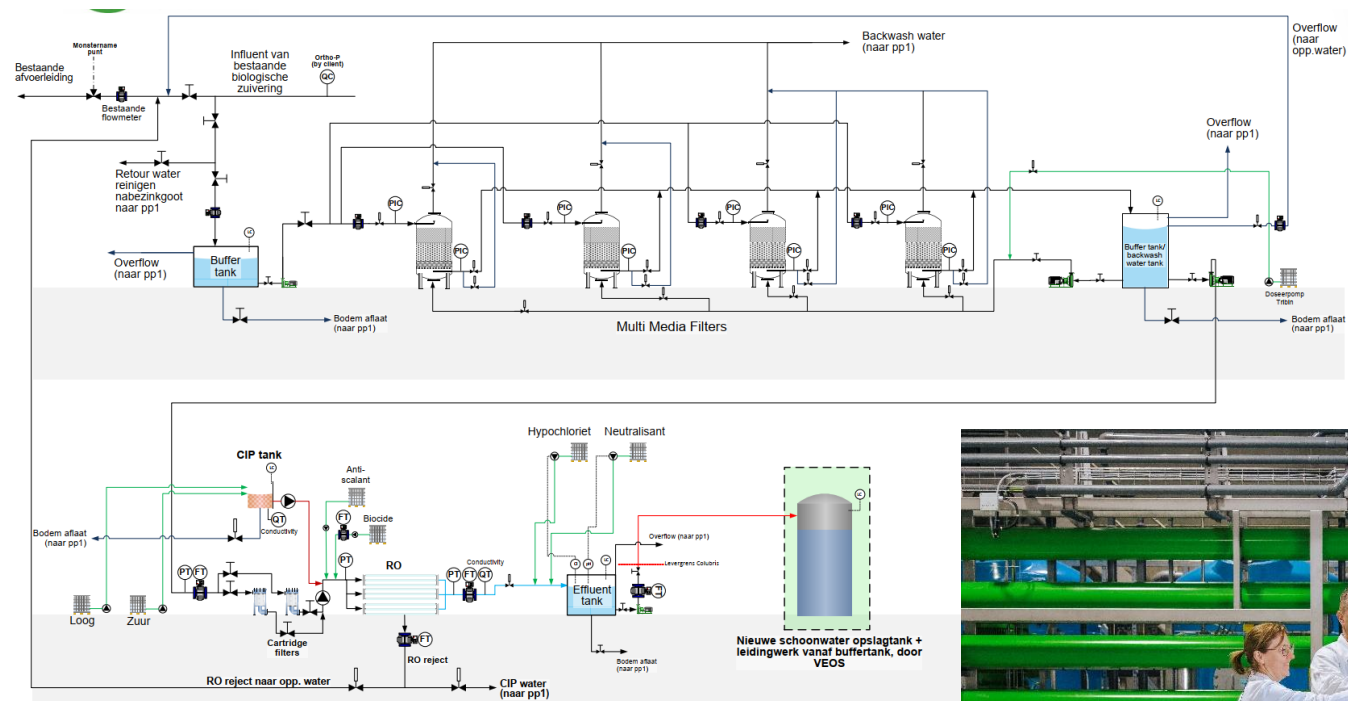
Drinking water from pig blood Belgium

500m³/day
24m³/h (RO)

150,000 liters drinking water per day
Saving 45 million lit. p/a

Allowed the client to expand operation within existing environmental permit

Operational since: 2022





Turnkey alternative food ingredients recovery facility UK

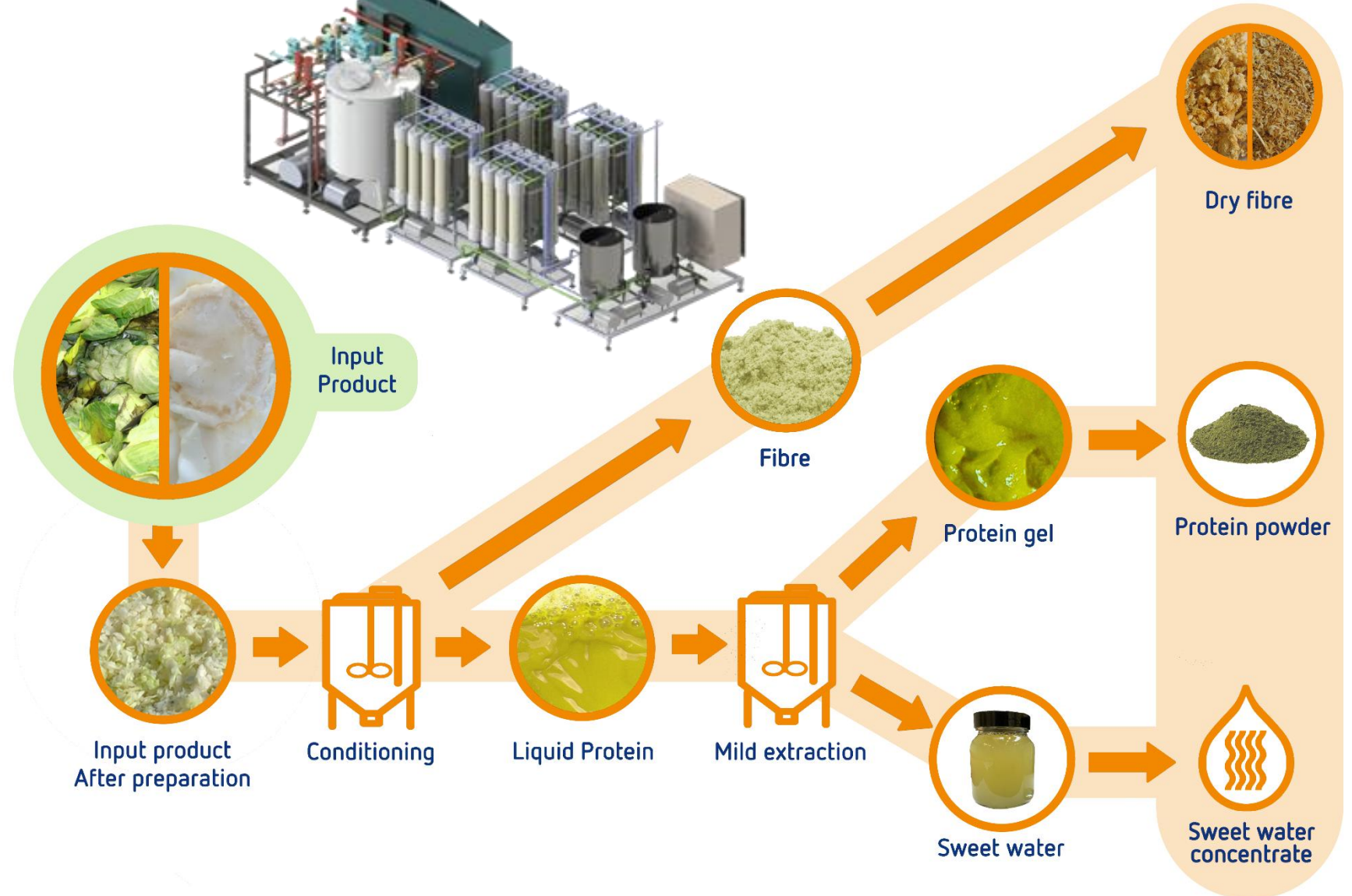
Food grade proteins,
fibers, and sweet water

Client wanted to valorize
organic waste which was
normally disposed of at a
cost

Commercial scale
development - turnkey

Expected ROI: 3-4 years

Startup: 2026





Turnkey MSW separation plant India

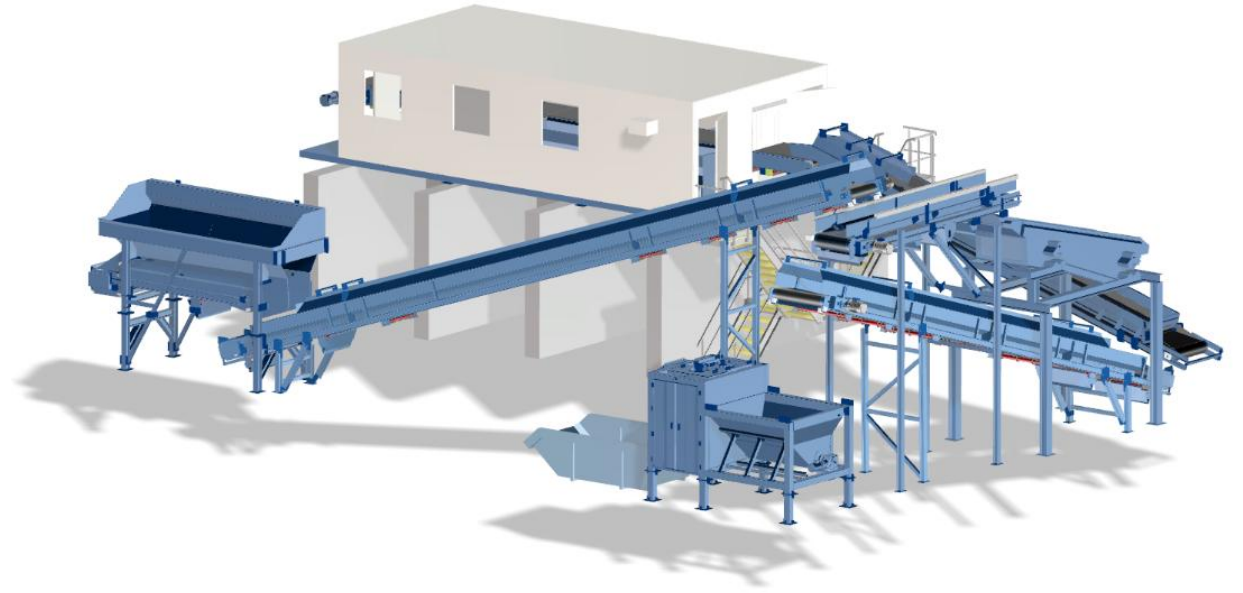
60tpd

Client required turnkey
solution provider for
waste separation to
valorize mixed MSW for
biogas & RDF production

Colubris scope:

Hopper, trommel sieve,
windshifter, sorting cabin,
conveyor belts

Startup: 2023





Wastewater treatment plastic pellets industry UK

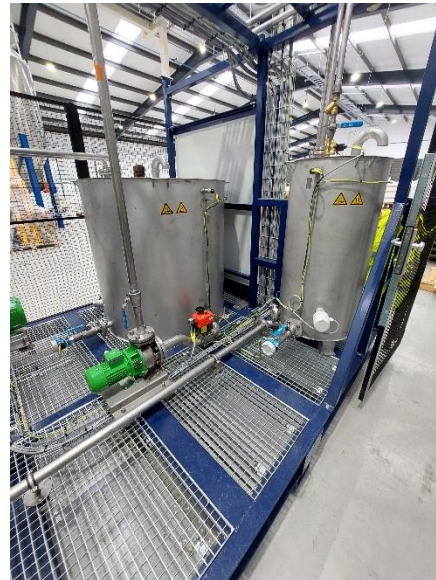
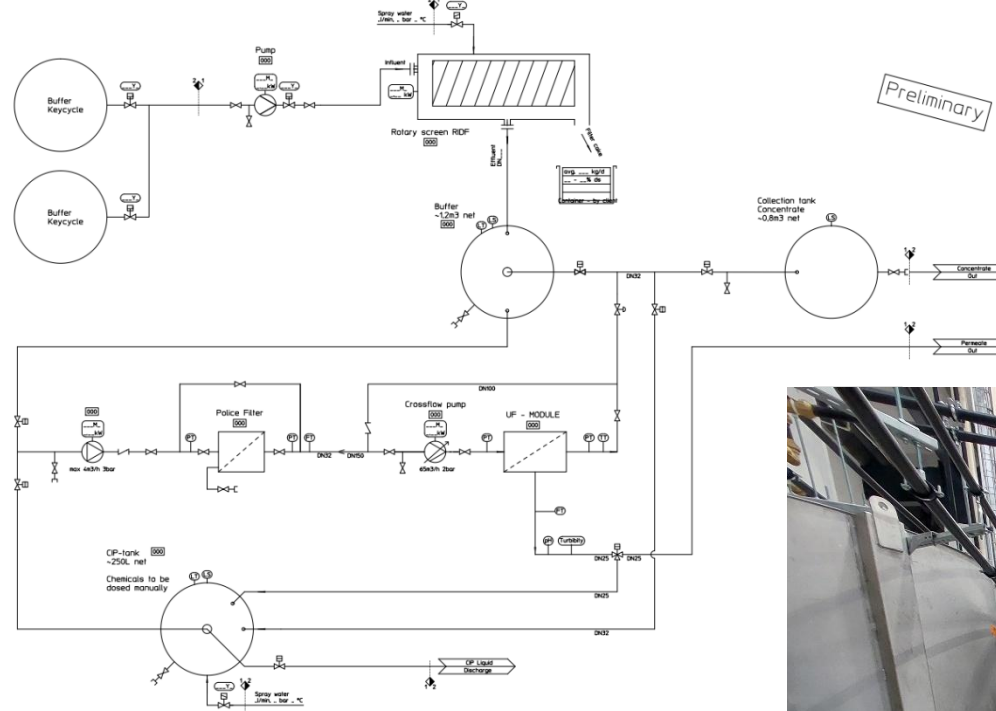
12m³/d for de-inking water

Process: Screening, police
filter, UF membrane

Solution to clean water
normally evaporated:

- lowers energy usage
- reduced chemical usage
(no caustic soda)
- no ink build up in
machine hence cleaner
water

Commissioning: 2025





Long term partner at German poultry processor

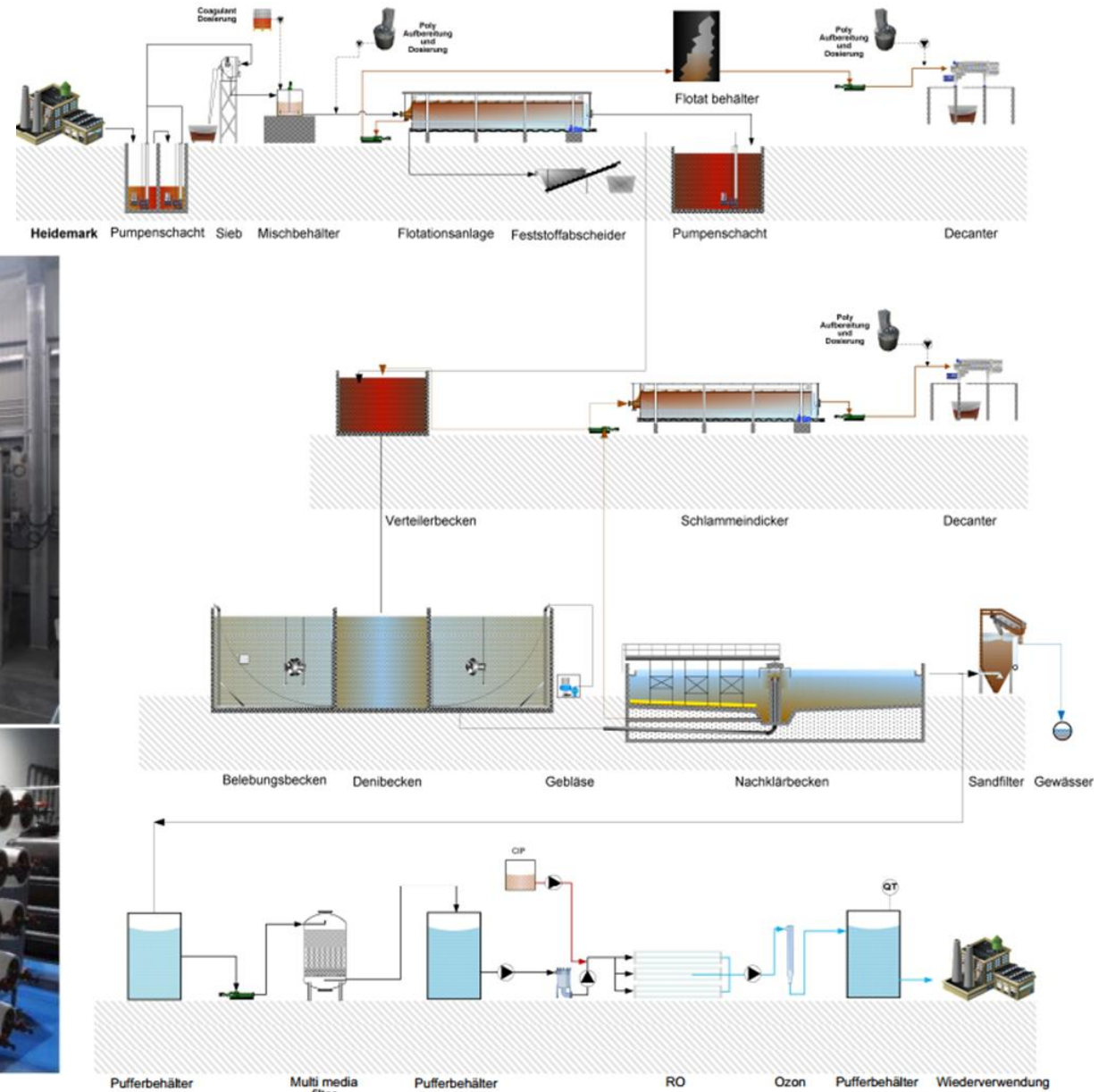
2,400m³/day

Process: CFF +
SmartDose + Clarifier +
FBR + Mediafilter + RO +
Ozone

Allowed client to expand
production by 50%

Designed for compliance
Designed for reuse

Client since 1990s



The future of WWTP for meat processing

System: CO₂, Nitrogen & Biogas recovery by Colubris UA(SB)² technology

First of its kind worldwide

Heidemark in Germany, 2026.

HEIDEMARK
GEFLÜGEL-SPEZIALITÄTEN



Thank you for your attention

Which system
would you like
us to offer?



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