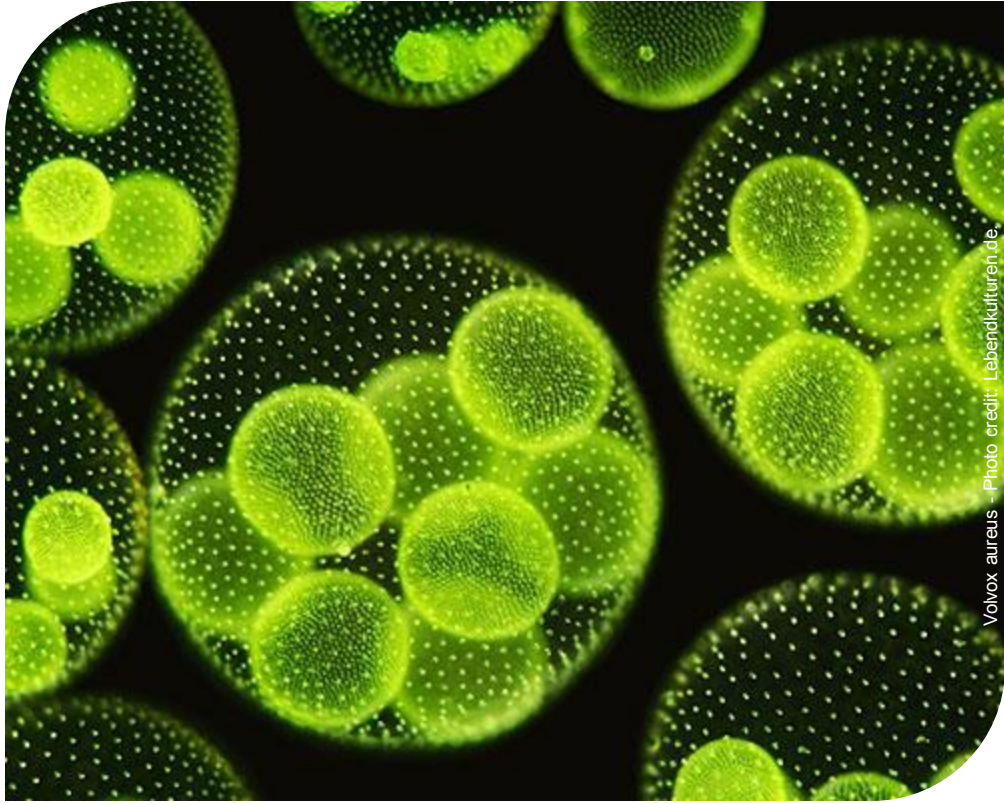


innovative water solutions for

Microalgae Biomass

Tetra-Axial DAF™

Further than innovation Your goal, our commitment.



Volvox aureus - Photo credit: Lebendkulturen.de.

Nxø Engineering provides compact, automated and reliable solutions for the **Biomass industry** with its innovating accelerated flotation reactor: The Tetra-Axial DAF™. Nxø's solutions are conceived to:

- (1) meet our clients specific quality requirements with the minimal operation costs.
- (2) simplify human tasks as it is a self-sufficient process.
- (3) respect the most restrictive environmental regulations.

Nxø's engagement philosophy has resulted in an unique know-how build-up during the last 8 years on the field.

Algae harvesting unit

The profitability of biomass on high-value molecules depends on the efficiency of separating algae from water. Algae harvesting is considered the bottleneck stage. Despite the culture medium, i.e., hypersaline, seawater or tap water, the Tetra-Axial DAF™ offers 7 major advantages compared to classical treatment procedures (decantation or centrifugation):

- Plug-and-play device
- Reduced energy consumption
- No clogging issues
- Low maintenance costs
- Low footprint requirement
- Wide range of bio-particles extraction
- Improved water loss control (<1%)



DAF-unit, Spain - Photo credit: Bertrand Barrut

