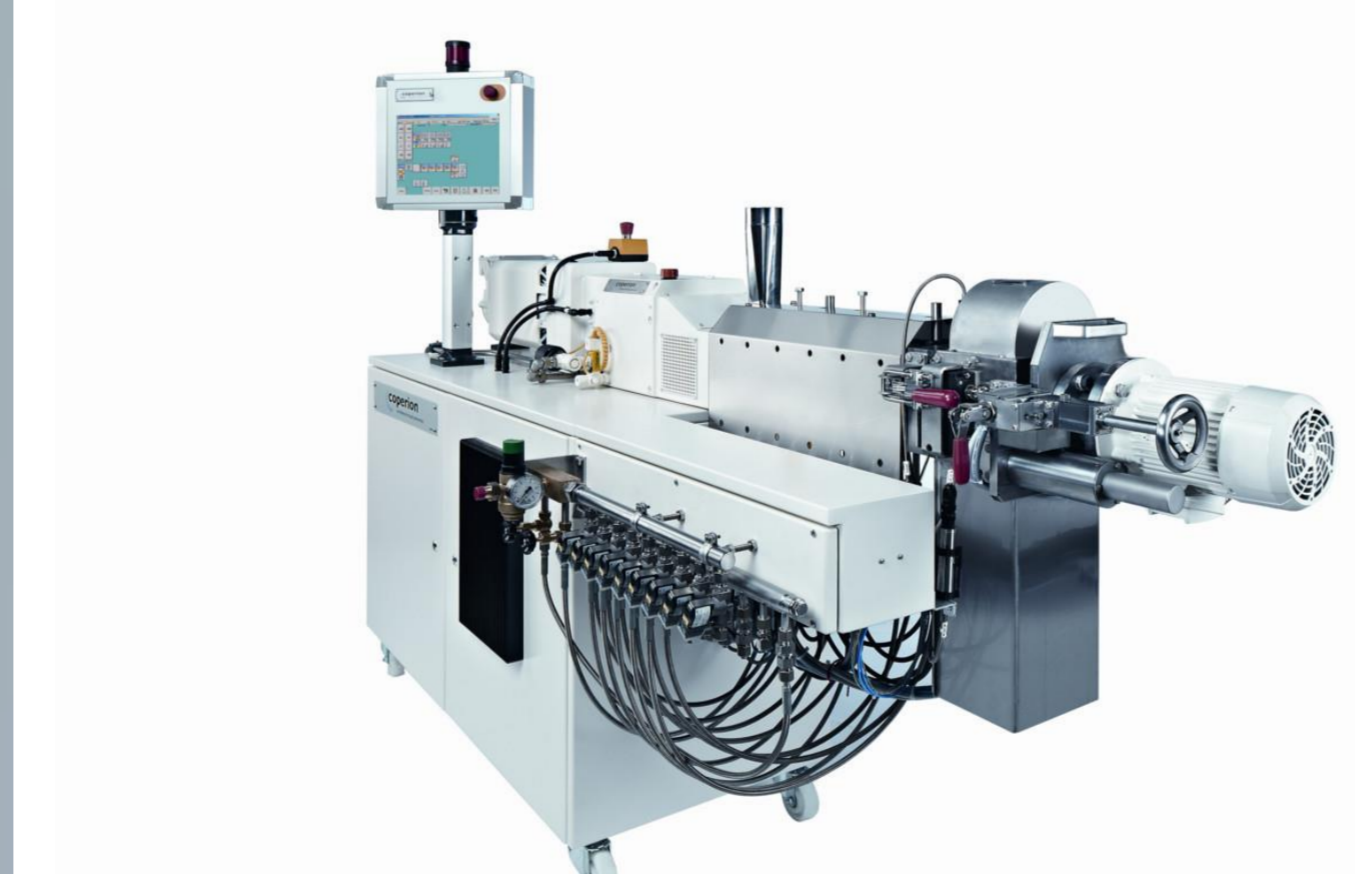


Algae Production, Marine Biomass and Biorefinery from laboratory to pilot scale

Facilities and capabilities at Danish Technological Institute

- Pilot scale test and production facilities to test new products and processes within feed, biomass and biorefinery.
- Pilot plant including technology for pretreatment, refining and processing ingredients and biomass e.g. single and twin-screw extruders, pelletizing equipment from single pellets to commercial size.
- Data acquisition systems and laboratory facilities for development, verification and documentation of processes and product properties for further product development or before scaling up to full commercial size.
- Expertise in developing processes, systems and equipment for marine biomass uses, focusing on methods for cultivating, harvesting and processing macroalgae (seaweed).
- Enzyme laboratory for characterization of algae compounds for end products such as proteins, fatty acids, fertilizer and energy.
- Microalgae laboratory with facilities for characterization, scale-up and optimizing growth conditions of microalgae for high value bio-products or nutrient remediation.
- Facilities for microalgae test and production from cellular level to continuous production in semi-commercial scale in closed and open photo bioreactors.
- Experience with algae production in sidestreams, agricultural run-off and waste from water treatment plants.



Selected projects and network

- MAB4 – MacroAlgae Biorefinery for Value-Added Products
- MacroFuels – next generation macro-algae bio-refinery
- The COMA project; COpepod egg Mass production in Aquaculture
- Plant Power; microalgae as biological factory for ingredients to the medical industry
- Project "Green pigs"; nutrient remediation using algae in pig production
- Nordic Algae Network
- AlgeCenter Danmark
- SUBMARINER EEIG Flagship Network founder

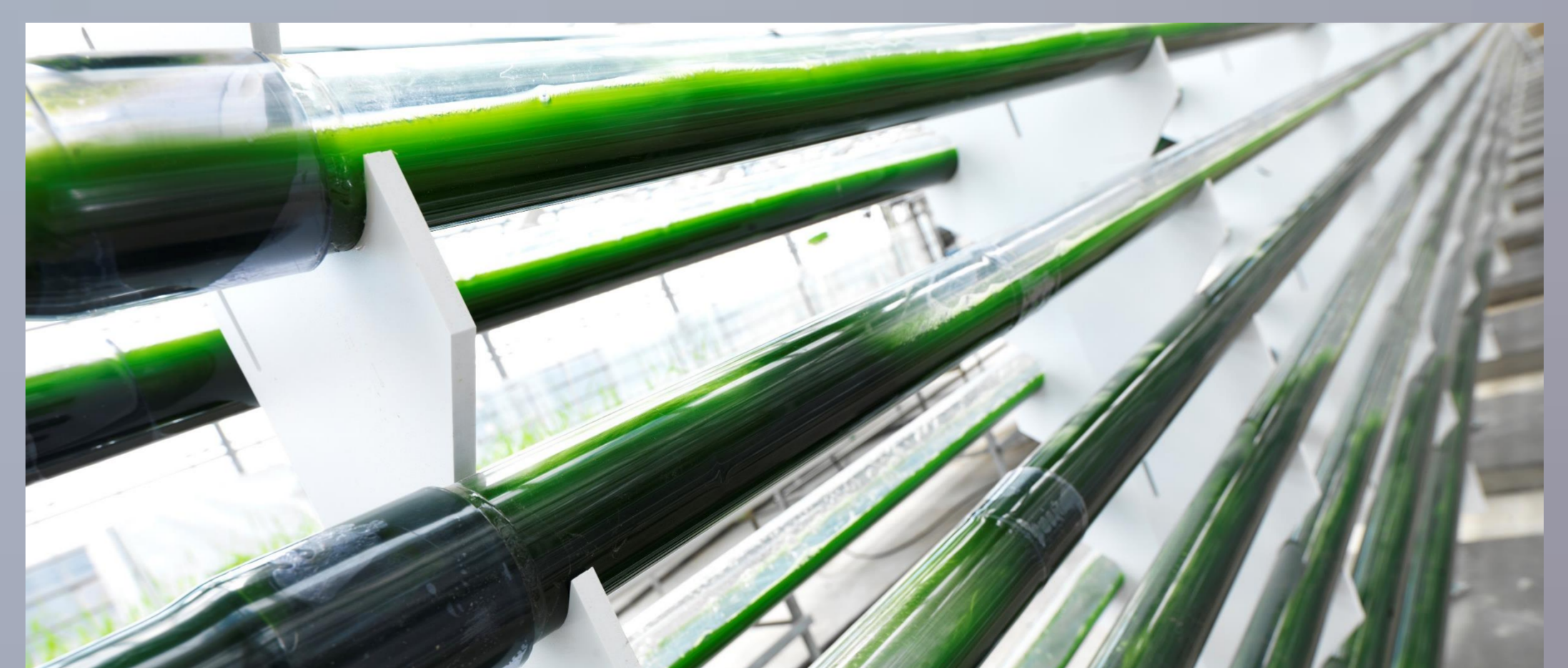
Who we are - About DTI

Danish Technological Institute (DTI) is a self-owned and not-for-profit institution.

DTI is an Approved Technological Service Institute under the Danish Ministry of Higher Education and Science.

We develop, apply and disseminate research and technology-based knowledge for Danish and international business sectors.

We participate in research, development and innovation projects which can be of benefit to society in close collaboration with leading research and educational institutions both in Denmark and abroad.



it's all about innovation