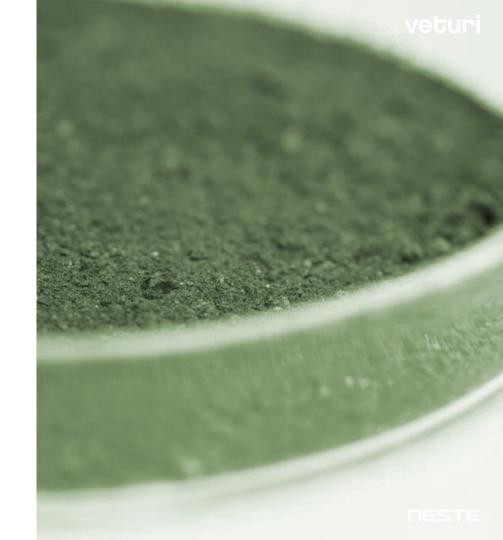
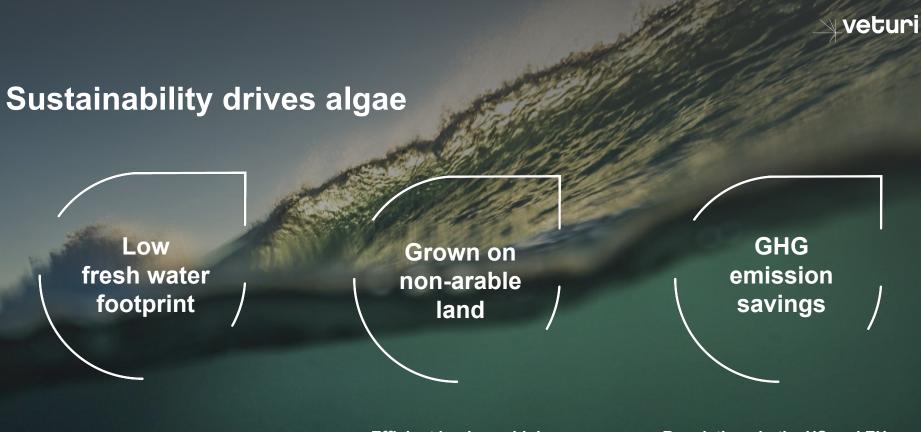


## Highly productive algae

- Photosynthetic algae may be cultivated wherever there is water and sunlight, also in sea water and in land areas unsuitable for other types of cultivation
- Algae grow and divide very quickly → areal oil production potential is many times higher than that of oil crops
- The composition of algal cells can be modified by adjusting the growth conditions





Sustainable cultivation utilising sea water

Efficient land use, high biomass yield, sustainable applications

Regulations in the US and EU support algae as low-emission feedstock for biofuels





# Neste has over 15 years experience in algae R&D and we are not stopping here

### Numerous lab and field experiments

#### Example projects:

- AlgaePARC (NL)
- Solar Biofuels Research Centre (AUS)
- EU Fuel4Me
- Lab experiments with several partners
- Ongoing Robust Algae Systems (ROBA) project with Finnish ecosystem partners

### Driven by algal oil for feedstock growth

- Neste has understanding on the characteristics of different algae oils and their impact on fuel processing
- In-depth feasibility and sustainability (e.g. carbon intensity) calculations using primary data from experiments



