



**DANISH
TECHNOLOGICAL
INSTITUTE**

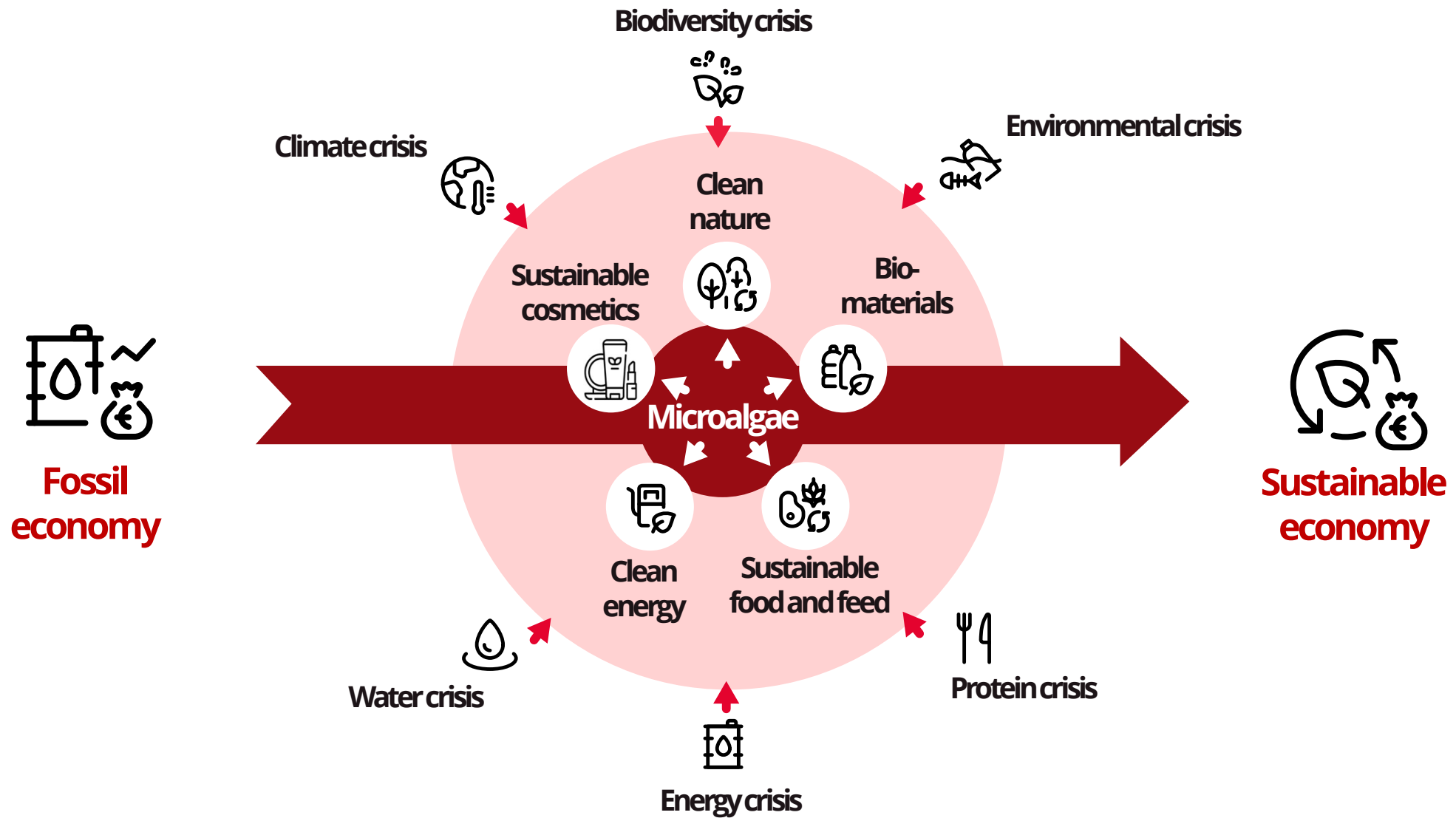
Bioprocess Services at DTI

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Center for Bioresources
Food and Production
DTI, Denmark

Danish Bioeconomy Conference 2025

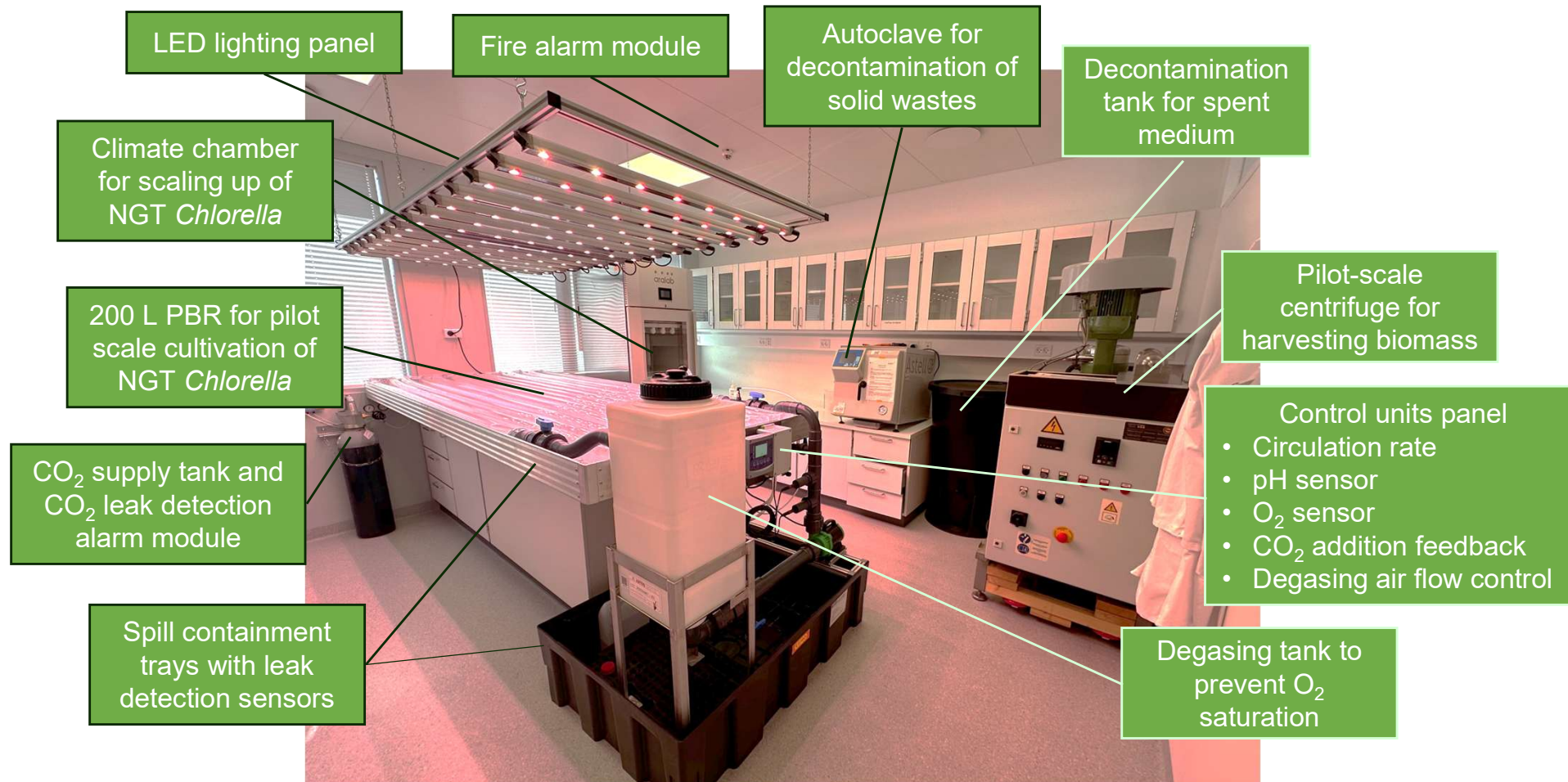
Microalgae for Sustainable Bioeconomy



Microalgae section at DTI



Pilot facility for GMO microalgae



In this facility, we are capable of handling cultures from 50 mL to 200 L GMO microalgae cultivation



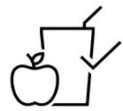
Pilot Plant Biorefining and Biofermentation (food grade)



Multiple process units available at one spot

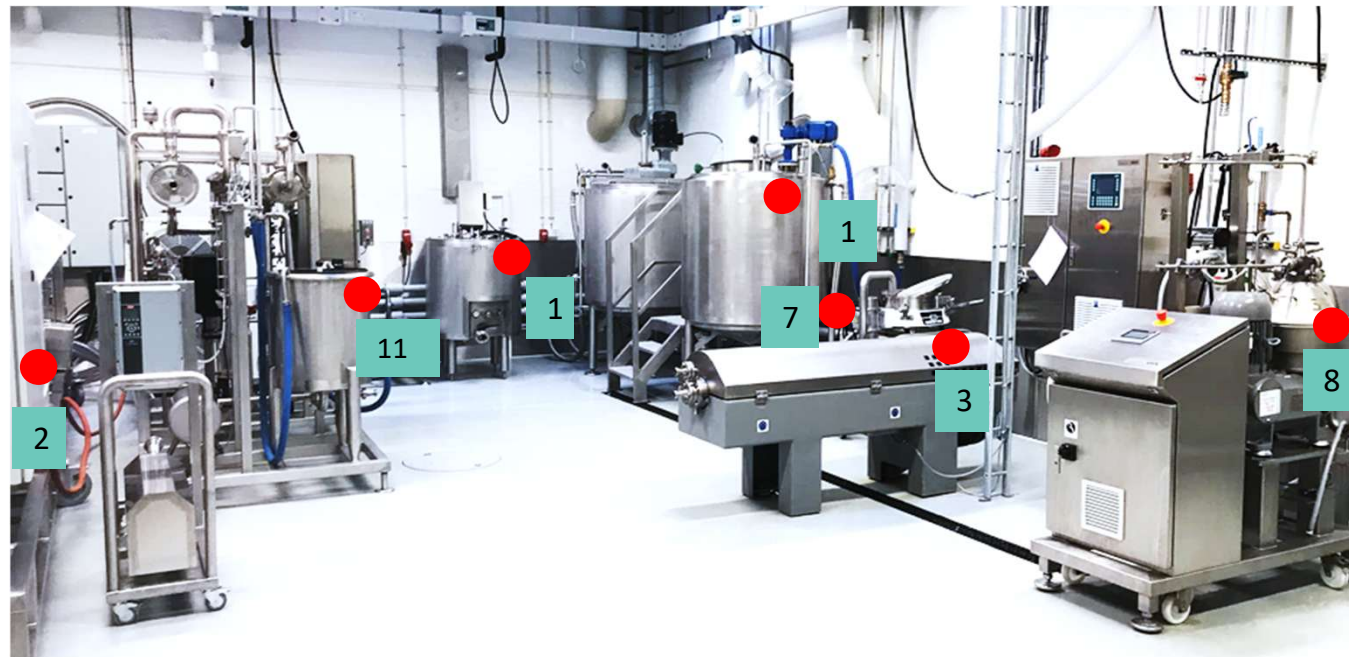
All units are adaptable to fit customized process

Certified for food production



Process developed and adapted to every biomass

Minimal waste



Stirred tanks (100 – 1000 L) < 1

Heat exchanger < 2

Decanter centrifuge < 3

Wet mill < 4

Spray dryer < 5

Decanter centrifuge < 6

Vibrating sieve < 7

Clarifier centrifuge < 8

Column chromatography < 9

Dry fractionation unit < 11

Membrane filtration < 10

SANI membrane < 12

Fermenter (1 – 2000 L) < 13

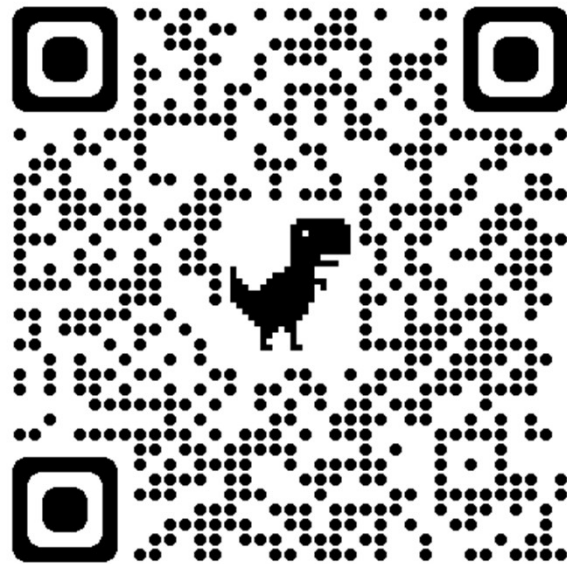
Biosolution Technology Center (food grade)



Feel free to contact us



**Microalgae
Expertise**



**Biosolutions
Technology Center**



**Biofermentation &
Biorefining**