



Microalgal Cultivation at Kalundborg Municipal Wastewater Treatment Facility

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Microalgal Cultivation at Kalundborg Municipal Wastewater Treatment Facility



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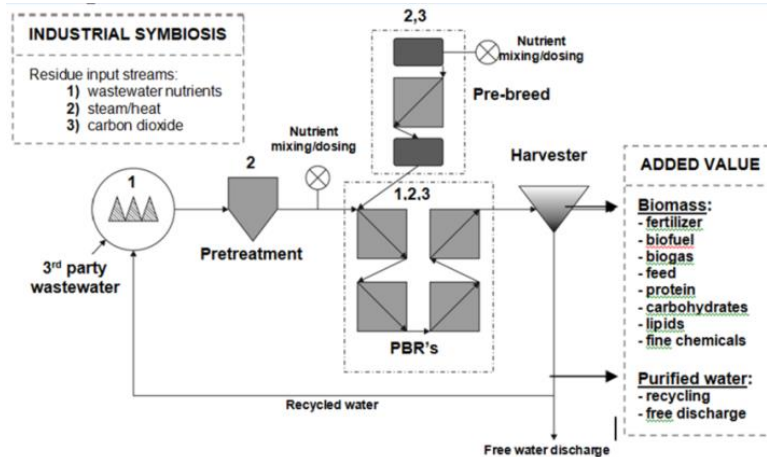
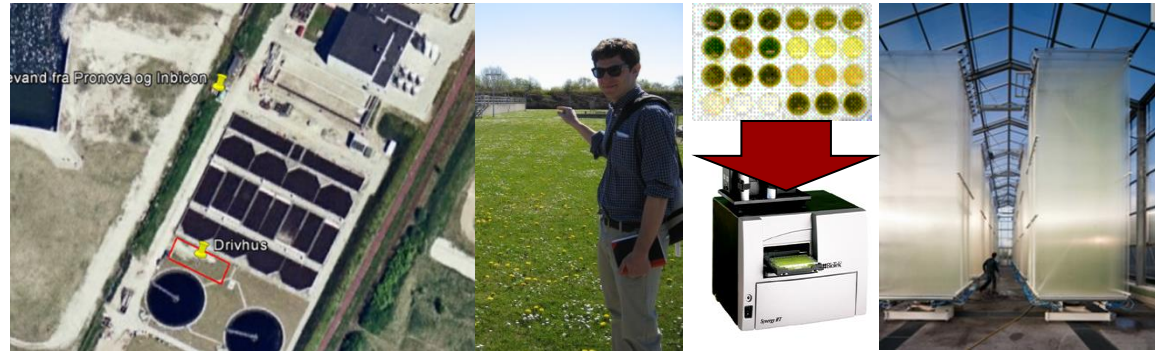
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Solution: Microalgal cultivation for bioremediation and biomass production

Problem:
 Industrial wastewater
 treatment is energy-
 intensive and costly



Example : the treatment of fermentation waste requires oxygen compression for ozonation to remove "inert COD" at great cost.



Images (from top left):
 • A Red box and Jon indicate the cultivation site
 • Initial screening of various wastes as media is monitored in microwell plates
 • Modular photobioreactors will be used for scale-up (photo credit Ecoduna)
 • Treatment and biorefinery schematic.