



Nattviken Invest AB

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Different ways to grow algae



Challenges Nordic climate



- Large fluctuations in temperature
- Large fluctuations in solar radiation
- Low CAPEX, Low OPEX

Open raceway in greenhouse









Cascade by Ph.D. Jiří Masojídek



My prototype cascade No. 1



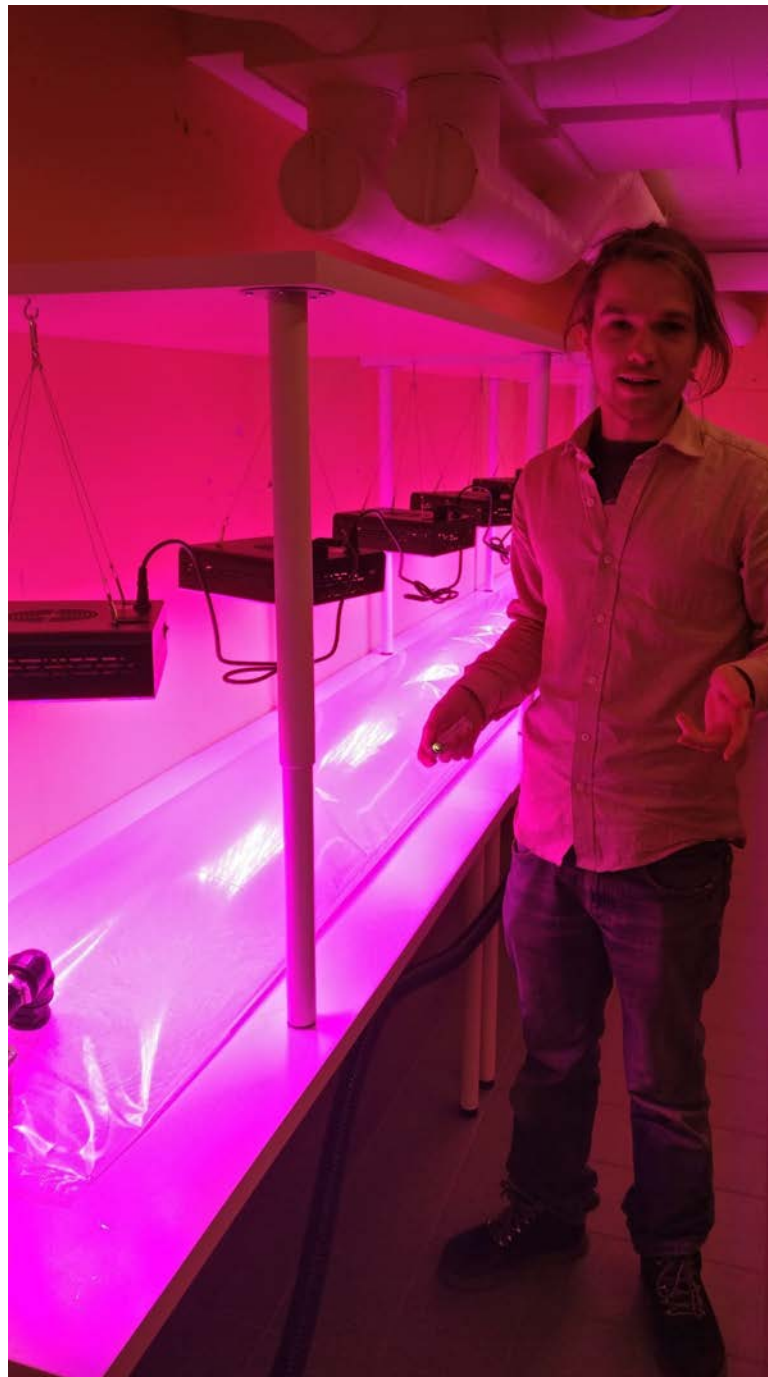
Dual layer that can provide heating or cooling.





The new iteration is successful and is run continuously until the middle of October. It has at that point been stable for 6 weeks.





Simply calculation of yields algae on farm, 1000 m²

Investment

1000 m² 500 kr / m² 500 000 kr

Pump and control system 100 000 kr

Total investment 600 000 kr

Annual production

2.2 ton à 150 kr / kg chlorella 337 500 kr

Energy costs 160 kwh per day -24 000 kr Perhaps on the farm

Nutrition -10 000 kr Perhaps on the farm

Carbon dioxide -50 000 kr Perhaps on the farm

Cash flow 253 500 kr

Depreciation 6 years -100 000 kr

Interest 6% average per annum -21 000 kr

Income 133 500 kr

Thank you!



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