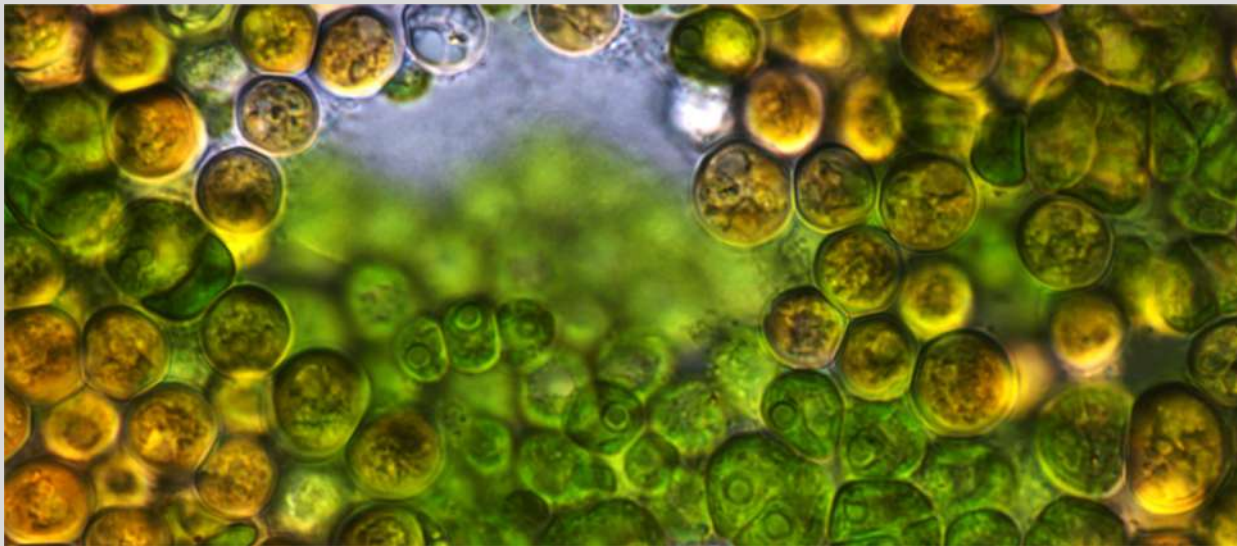


PHYOX

„The best from algae“



EABA European Chlorella conference,
14. 09. 2021.

Dražen Breglec, CEO



Who are we?

- Croatian Joint Stock company, owned by German and Croatian Investors, established in November 2018
- A greenfield investment in total value of 5 Mil. €, made in Novska, Croatia
- Construction and equipping accomplished in August 2021
- Full commercial production in place by the end of 2021

© PHYOX d.d. 09.21.



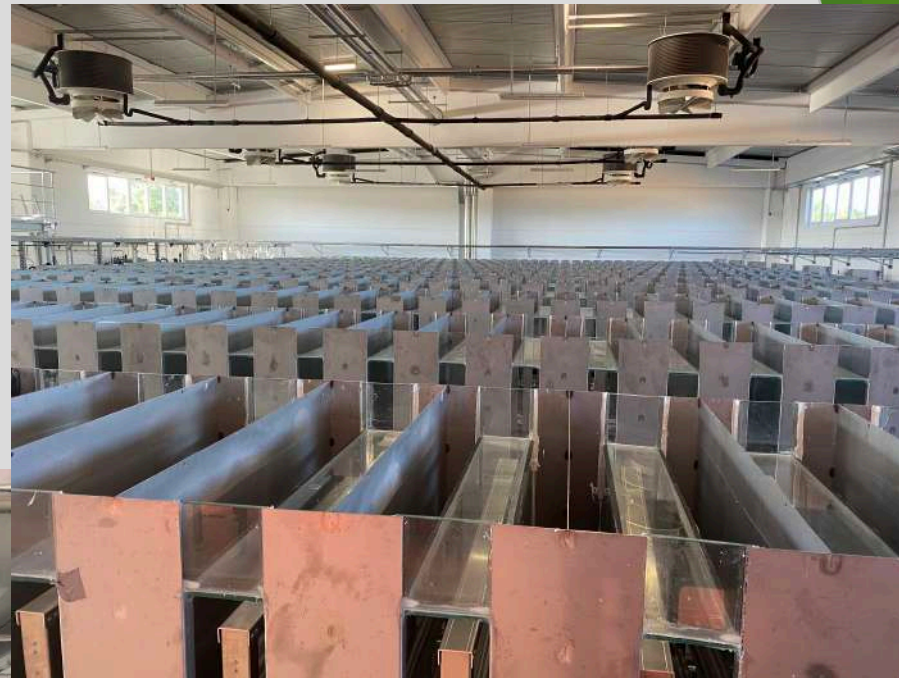


PHYOX Technology

- Photoautotrophic growth of microalgae
- Semienclosed plate photobioreactors of our own design
- Artificial LED lightening technology of our own design
- 11 independent production lines able to produce 24/7/365
- Capacity: 20-30 t dry biomass /year



PHYOX Technology



Indoor production

Development challenges



- From zero to commercial production:
Mission (almost) impossible!
- Lighting (spectrum and dynamic)
- Air+CO₂ composition
- Fertiliser composition
- Temp. and pH regime
- Harvesting dynamic
- **UP-SCALING!**



Development on a large scale





Economy of the Project

- ▶ Total investment > 5,0 Mil. € (60% cash + loan)
- ▶ 20-30 t dry biomass capacity / year
- ▶ Top 3 operating costs:
 - ▶ Labor force
 - ▶ Energy
 - ▶ Raw materials
- ▶ Only for high value end-product!



Our future priorities

- ▶ Multiple production capacities
 - ▶ Nutraceuticals, Food/feed
 - ▶ Cosmeceuticals
 - ▶ Biomass biorefinery
- ▶ Investments in R&D (EU funding!)
 - ▶ Photoautotrophic growth
 - ▶ Chlorella - just one of million species of microalgae
 - ▶ Energy efficiency
- ▶ M&A, Stock Exchange launch

© PHYOX d.d. 09.21



Growth through partnership!

- ▶ Partnerships in R&D EU funded projects!
- ▶ NEW Partners, especially those with a potential for synergies,
WELCOME !!!





PHYOX d.d.

www.phyox.com

drazen.breglec@phyox.com

Tel: 385(0)44 514 645

Mob: +385(0)98 241 670