

Driving a green transition in big bio clusters:
the culture that we seek, and how global investments meets local ownership,
knowledge and resources with an impact

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# What is GreenLab Skive

Located at the nexus of the national gas and electricity infrastructure. GreenLab Skive is the world's most advanced and truly green symbiotic energy network



The Site

Industrial Energy Park



World's most advanced fullscale symbiotic network



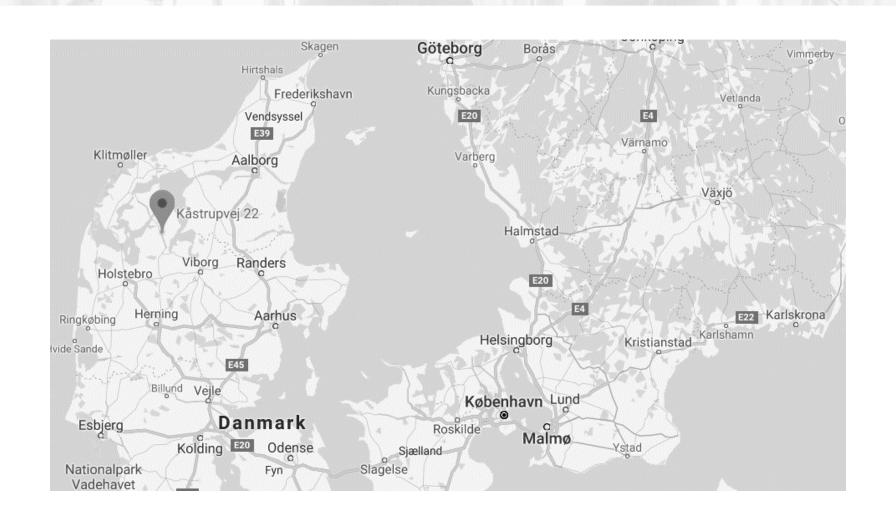
Green Innovation, research & development



Global partnerships & green transition



# Where is GreenLab Skive



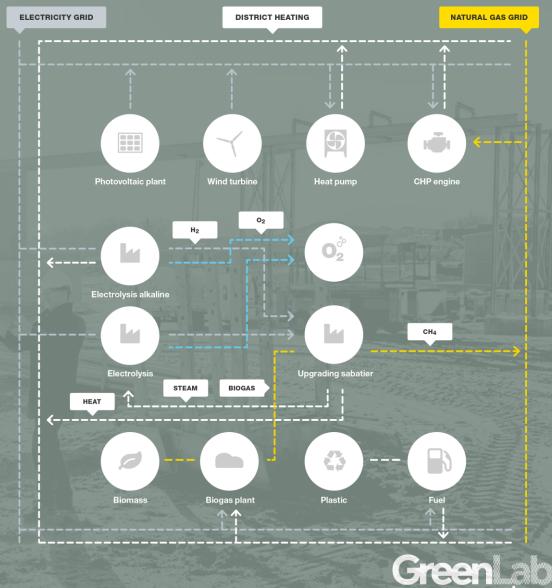
# A full-scale, green symbiotic network

#### Present at the area

- 40 bar gas grid
- 4 bar distribution net
- 150 kV grid
- Raw biogas
- Landfill gas
- Planned central heating
- Oxygen, Hydrogen, CO2

#### SymbiosNet

Development of an internal grid for the exchange of surplus currents and energystreams between the enties.





## A unique public-private partnership model

Collaboration between policymakers, utilities, commercial and academic players align incentives, enables change and pushes the boundaries

Utility partner





Municipality partner



























Technical University







#### GreenLab reconstructs sustainable production for a greener future

- •Positive community effect local growth, global view, trust
- •Competitive Advantage attract resourceful partners
- •Symbiosis to synergy paradigm shift prognosis to products
- •Mutual incentives long term engagement
- •Sustainable accelerate the circular economy
- •Continuous learning and development *R&D to commercial*
- •Global frontrunner show it, don't tell it







### How do we drive the *transition*?

Trust based culture vs contractual culture



a dialog
between
global investments and local ownership,
knowledge, resources





# This is where we are today

2018 2019 2020 2021

Groundbreaking

4 factories in operations, including 20m³ Biogas plant

Full operations, including 80MW wind and solar park with direct coupling to GreenLab SymbiosNet<sup>©</sup>. Start of new partner sites internationally

Full industrial build out of 600,000 m2 SymbiosNet<sup>©</sup> industrial energy park. Start operations at international sites



## Quantafuel

How global investments meet local ownership, knowledge and resources









#### **Danish Marine Protein**

How global investments meet local ownership, knowledge and resources









# The culture that we seek



It takes a human

Green skive

# Green skive Visit us at greenlab.dk **Thea Lyng Thomsen** Juni 2019