A short presentation of

- Who we are and what we do
- The symbiotic network
- Purpose and vision
- Our partners
- Enabling the green transition
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 symbiosis.
This is what we do

**Infrastructure**
Flexibility through conversion and optimization using multiple grids

**Clean Energy/Green Products**
Sustainability via a plug-and-play platform enabling the connection of multiple RE producers

**Energy Conversion**
Energy flexibility via conversion and distribution to optimal off taker using P2X technology

**Energy Storage**
Enabling optimization using multiple storage opportunities for all relevant energy types

**Smart Grid**
Intelligent balancing with demand-response via unique software solutions

**Analysis, AI & IOT**
Automated data collection and processing resulting in real-time energy trading, demand and prediction algorithms
Our model is a truly collaborative Public-Private-Partnership.

Collaboration between policymakers, utilities, commercial and academic players align incentives and enables change.

**Company Level**
- Drive the growth of GreenLab and the development of our the concept.

**Commercial Partners**
- Participate in the commercial symbiosis that enables companies to minimize climate impact, reduce cost and engage in an innovative community that pushes new solutions.

**Academic Partners**
- Develop state of the art solutions that continuously push the boundaries for what is possible.

**Utility Partner**
- eniig

**Municipality Partner**
- Skive City

**Pushing the boundaries**
- By taking new solutions from R&D to commercial application.
GreenLab combines green energy and intelligent technology in the world’s first truly green symbiosis

Who we are | Market outlook | Our business model | Commercial and development partners

The Site – GreenLab Industrial Energy Park

A green, full-scale symbiotic network

Innovation, research & development

Global partnerships & regulatory advantages

Located at the nexus of the national gas and electricity infrastructure gives an ideal environment to apply P2X Technology. The symbiotic grid connects companies that consume and supply green energy, fuels, resources and products.

SymbiosNet® is the world’s most advanced and first truly green commercial symbiosis. A fully integrated infrastructure for electricity, gas, fuel, thermal and data distribution enables the symbiotic energy network.

Research partnerships with two of the Top 10 engineering universities in Europe: Aalborg University (#1) and DTU (#6) to expand the application of renewable energy (RE), production of clean fuels and to develop the intelligent algorithm at the center of our symbiosis.

GreenLab provides solutions to some of the most pressing global challenges and we create both political and commercial partnerships with leading international organisations to support the journey towards a greener future.

Source: GreenLab, US News Best Global Universities Ranking
GreenLab reconstructs sustainable production

Purpose
GreenLab reconstructs sustainable production for a greener future. The future can’t wait. We rise now. We are instigating the transition to a sustainable and more collaborative approach to energy for the world of tomorrow.

Vision
GreenLab leads the world’s most intelligent energy symbiosis. Our dream is to ignite a global energy revolution, substantiating the belief that green transformation is not only a feasible — but also a profitable — solution.
The GreenLab concept allowing optimization and balance

**Local Grid Heating (130 °C)**

- **Heating Heating (80 °C) (60 °C)**
  - Windmills
  - Solar panels
  - Heat pump
  - CHP
  - Alk. electrolysis
  - P2Ammonia
  - Storage (H2)
  - Methanization
  - Natural gas
  - Plastic
  - Biofuel plant
  - Fuel/Diesel

**Biogas Plant**

- National Grid (60 kV)

**Biogas Upgrading**

- Protein

**EXAMPLE 1**

Output

Symbiosis

Resource optimisation result in environmental and economic sustainability

Manage demand & supply by balancing production, distribution & storage of energy

Integrated green energy, intelligent grid and sustainable production

Who we are | Market outlook | Our business model | Commercial and development partners
A full-scale, green symbiotic network

The SymbiosNet© is the world’s most advanced and first truly green commercial symbiosis.

A fully integrated infrastructure for electricity, gas, fuel, thermal and data distribution enables the symbiotic industrial network. Fully operational by 2020.
The GreenLab Principles

1. **Positive Community Effect**
   Local growth, global view, trust

2. **Competitive Advantage**
   Attract resourceful partners

3. **Symbiosis to Synergy**
   Paradigm shift prognosis to products

4. **Mutual Incentives**
   Long term engagement

5. **Sustainable**
   Accelerate the circular economy

6. **Continuous Learning and Development**
   R&D to commercial

7. **Global Frontrunner**
   Show it, don’t tell it

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GreenLab enables the green transition

- Hydrogen economy, mobility and renewable fuels
  - We drive the commercial development of production of truly clean fuels
- RE use-cases and challenges with cyclicality
  - We power developments of clean energy storage and expand RE application to products
- Increasing resource efficiency through circularity
  - Our circular production drives resource optimisation with a positive business case
The renewable product platform of the future

Renewable energy is needed to fill the gap towards the UN goals, which offers a huge economic potential for the GreenLab Model.

- **Direct connection to new renewable sources with additional capacity**
  The GreenLab concept is currently the only system that fulfil requirements to produce 100% renewable fuels and p2x products.

- **A biogenic CO₂ source available on site**
  The biogenic CO₂ source ensure climate optimised production and overcome any regulatory uncertainty.

- **Essential partners are already in place and on site**
  Central partners create the backbone of the symbiosis and are committed and provide the foundation of an ideal environment.

- **Active farmers and strong organisation**
  GreenLab and/or partners can provide rawmaterial and financing for bioeconomy projects.
This is where we are today

- **2018**
  - Groundbreaking

- **2019**
  - 4 factories in operations, including 20m³ Biogas plant

- **2020**
  - Full operations, including 80MW wind and solar park with direct coupling to GreenLab SymbiosNet®.
  - Start of new partner sites internationally

- **2021**
  - Full industrial build out of 600,000 m² SymbiosNet® energy park. Start operations at international sites
Join us and our partners

In contributing to the green transformation on a global scale