



GreenLab

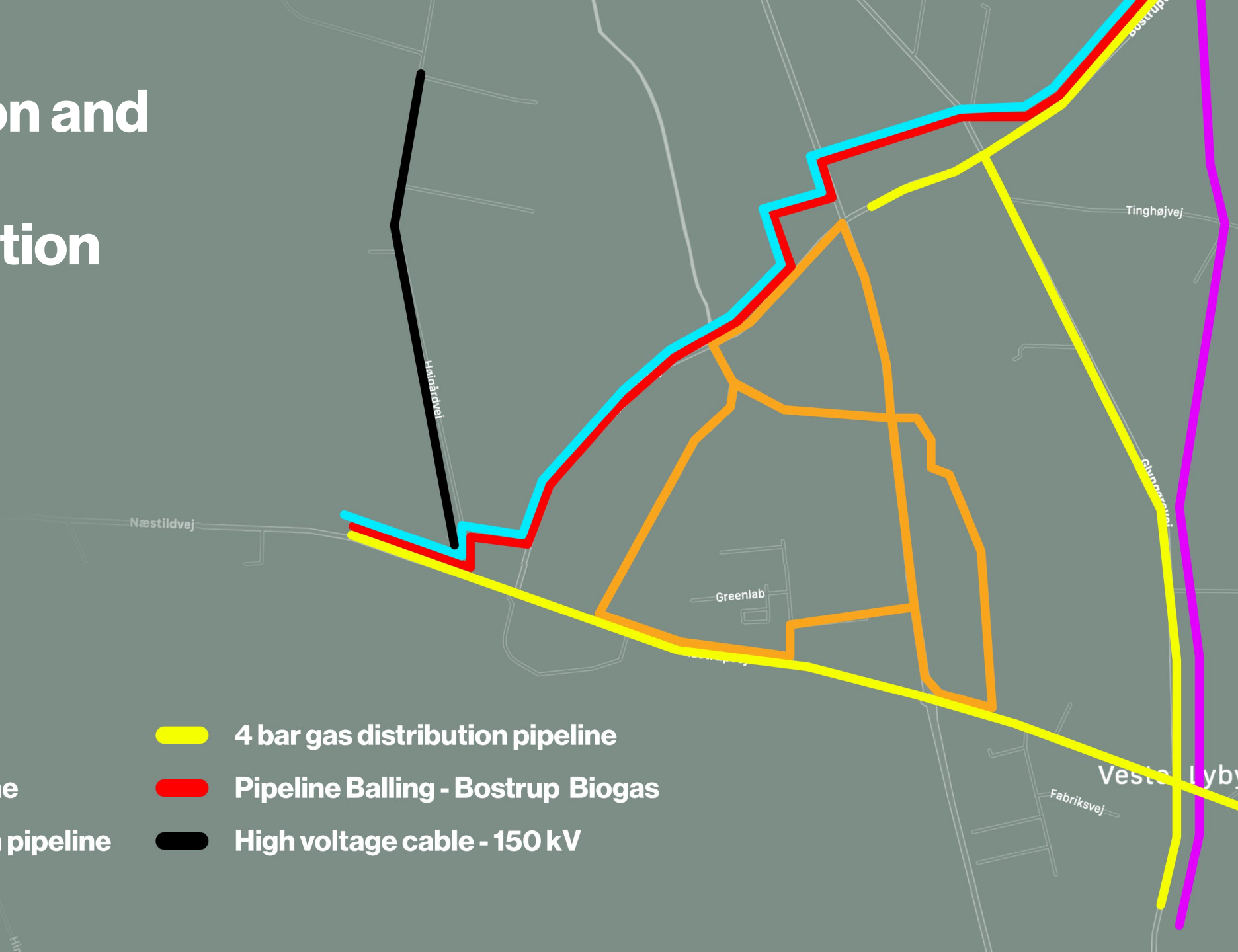
Green & circular energy park – Technology enabler – National research facility

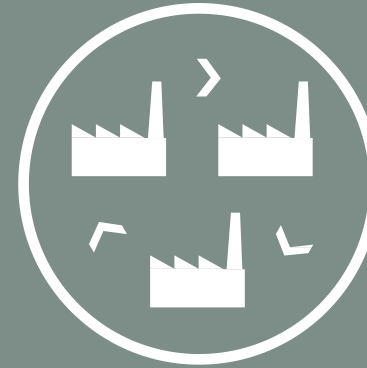
Christopher Sorensen, CEO – GreenLab A/S, Skive, Denmark
CDSO@GreenLab.dk

June 2021

Unique location and potential for sector integration

- GreenLab areas
- District heating pipeline
- 40 bar gas distribution pipeline
- 4 bar gas distribution pipeline
- Pipeline Balling - Bostrup Biogas
- High voltage cable - 150 kV





GENERATE

We generate sustainable energy for our partners

STORE

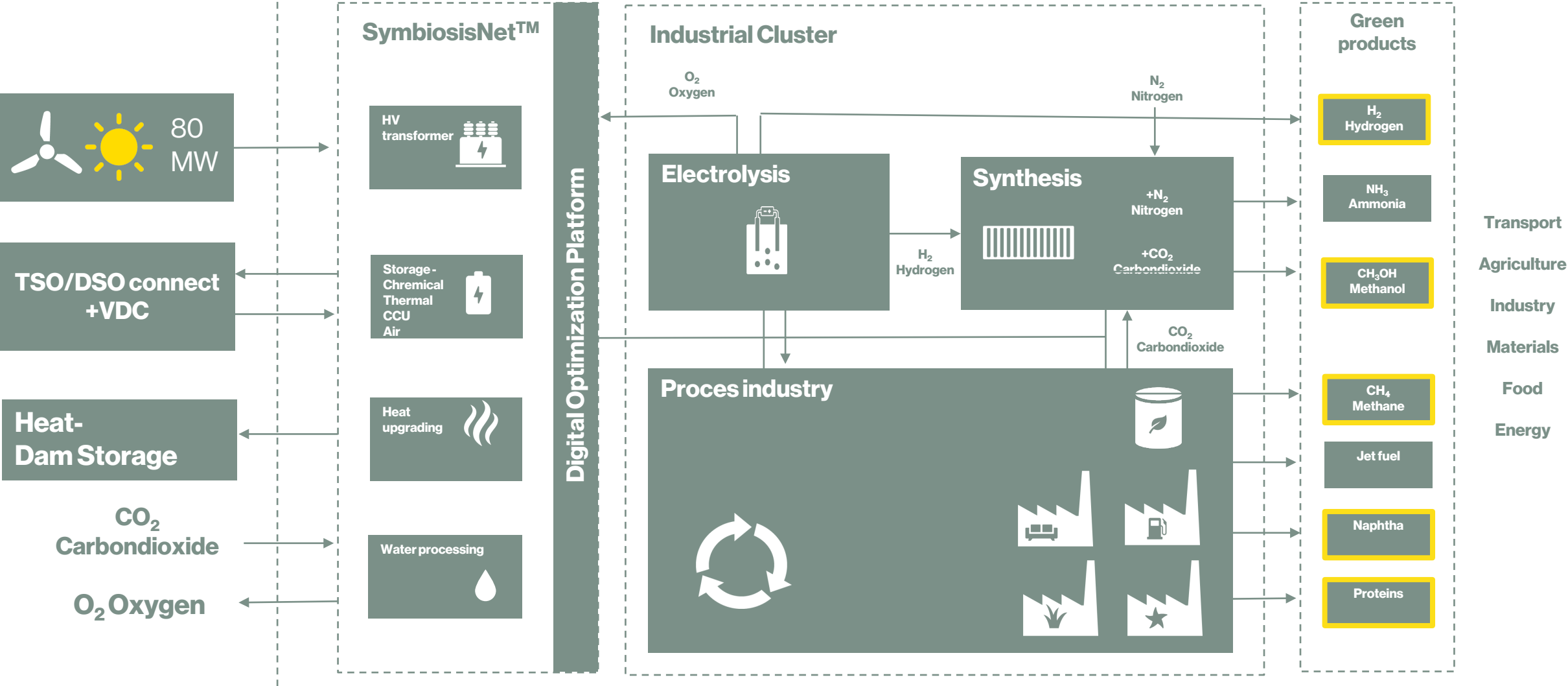
The green energy is stored in all its forms:
Electricity, heat, gas and electrofuels

SHARE

The SymbiosisNet™ is an intelligent grid of energy and data that lets our companies share their surplus energy

GreenLab Skive Energy Park – SymbiosisNet™

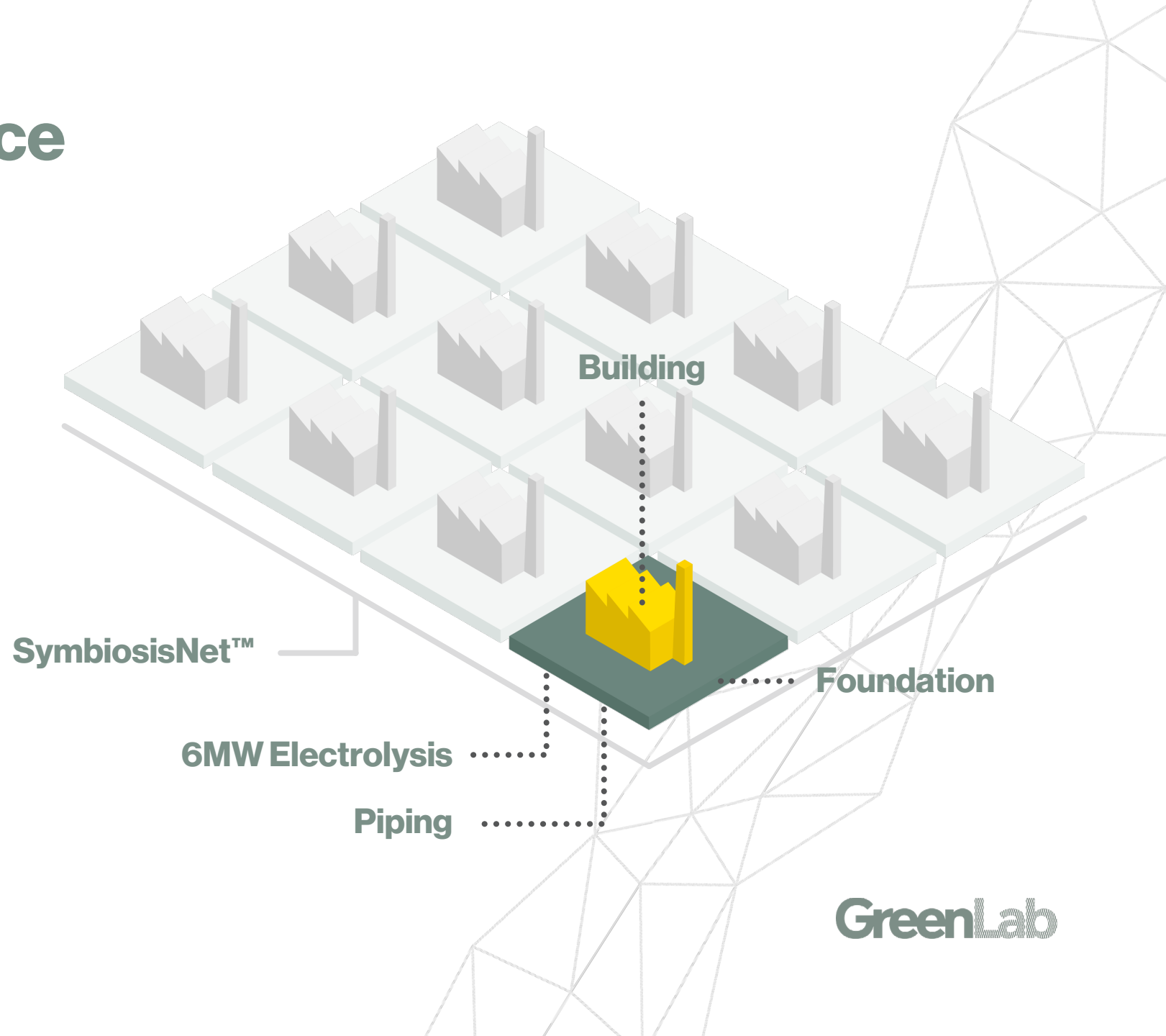
A National Test Zone for Integrated Energy - Open Innovation



Facility-as-a-Service

A plug-and-play PtX platform

- »»» A unique hosting environment - full infrastructure provided for green companies
- »»» Open innovation platform with access to green power and the SymbiosisNet™
- »»» Faster time-to-market



Key PtX partners, today (12-24MW i 2022)

REintegrate

Everfuel

Danmarks
Tekniske
Universitet



e-on

ENERGINET

NORLYS

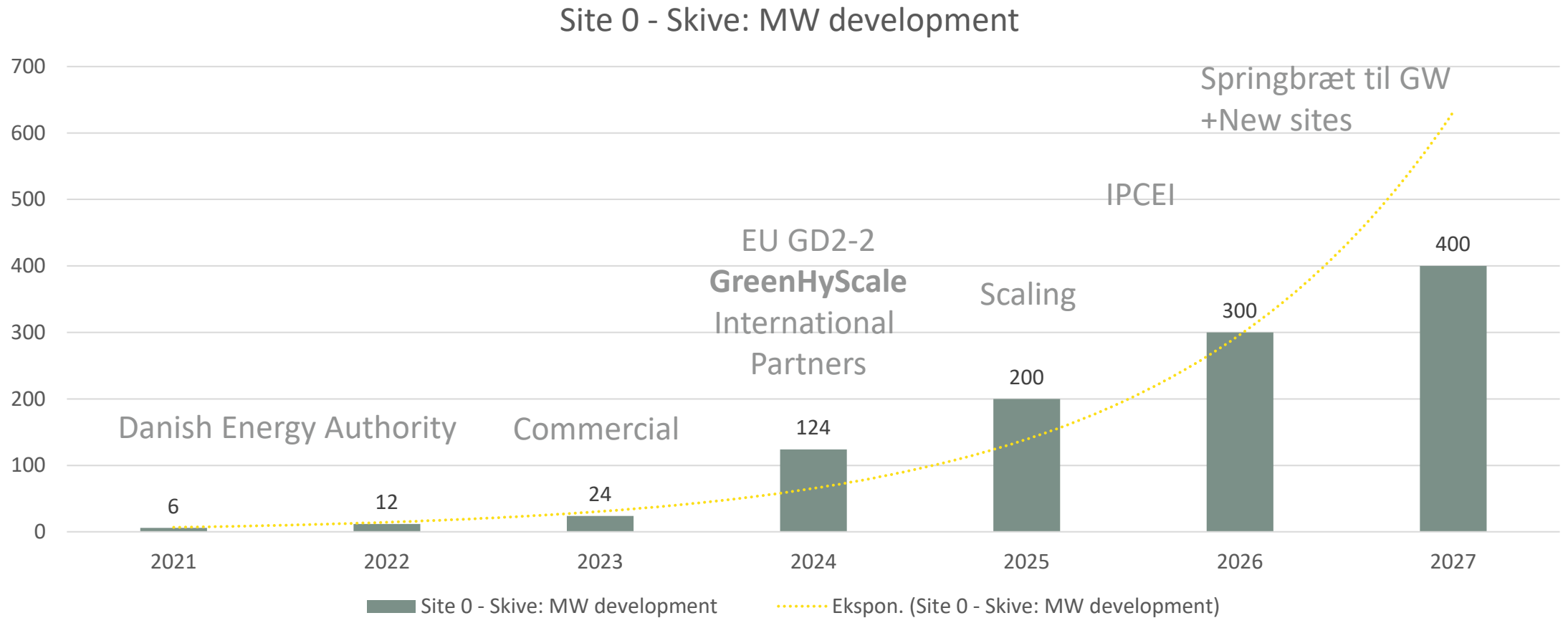
H GREEN
HYDROGEN
SYSTEMS

Lhyfe

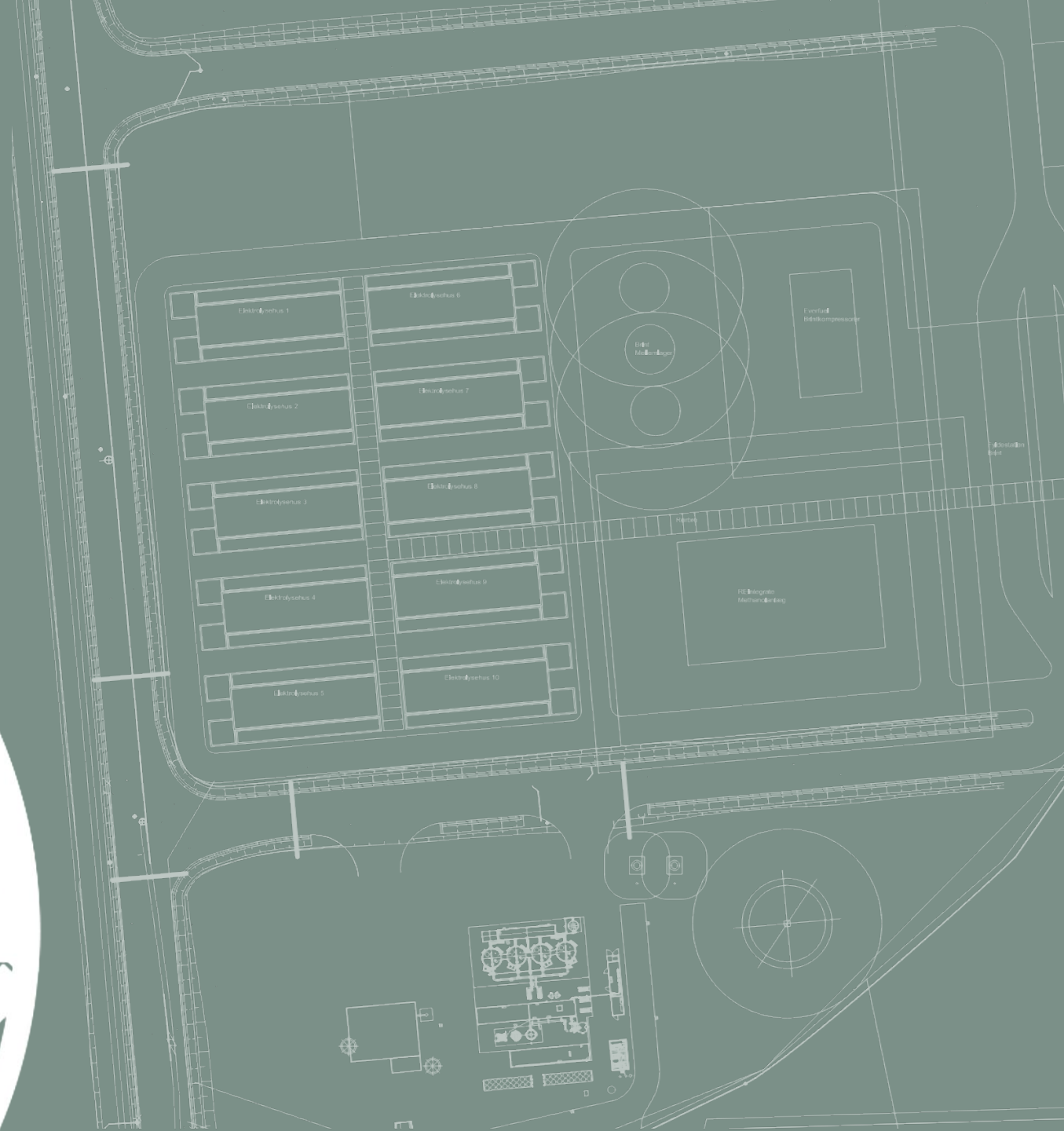


Ea Energy Analyses

GreenLab Skive PtX development curve



Replicable locally and globally



The GreenLab Principles

1

Positive community effect

High growth, global view,
trust, share

2

Competitive Advantage

Attract resourceful partners via lowered
costs of green energy

3

Mutual incentives

Long term engagement
and improvement via scale-up

4

Sustainable

Accelerate bankability of the
circular economy

5

Continuous learning and development

Accelerate R&D to commercial scale

6

Global frontrunner

Show it, don't tell it

Historisk testzonetilladelse til GreenLab Skive baner vejen for 100% udnyttelse af grøn strøm

Med testzonetilladelsen giver Energistyrelsen GreenLab fuld dispensation for elforsyningsloven i 10 år, så Danmark kommer et skridt tættere på at kunne løse en af de største udfordringer i den grønne omstilling: Integrationen af store mængder vedvarende energi i energisystemet

Fælles visionsarbejde med Energinet

"Grid Buddy":

"Tænk hvis, GreenLab-metoden bliver den måde, vi driver sektorkobling på i fremtiden"

Sammen kan vi eksperimentere i stor skala med løsninger på nogle af de helt centrale problematikker, som skal på plads inden for meget kort tid for at lykkes med den grønne omstilling.

En "load-neutral" tilkobling af VE til store forbrug kan bane veje for den grønne omstilling med positiv samfundseffekt.

Centrale udfordringer:

»»»Connection

- GreenLab har brug for at blive tilkoblet nettet på flere forskellige niveauer og under adskillige kategorier. En integrerede løsning er tilrettelagt med gavn for samfund.

»»»Markedsudvikling (bl.a. samtidighed)

- GreenLab har brug for at kunne dokumentere grøn oprindelse i realtid. GreenLab arbejder kommercielt og ønsker at udfordre markedsmekanismerne ti fordel for RED II og den grønne omstilling.

»»»Markedsmekanismer

- GreenLab skal underbygge metoderne og data til at kunne bedømme hvad den bedste fremgang er for Danmark.

QUESTIONS?

