



# An Introduction

# Executive Summary

**Electrochaea: Uniquely positioned to decarbonize the natural gas economy & infrastructure**

Growth stage Power to Methane (P2M) technology company with commercial opportunities in Europe and North America underpinned by strategic partnerships

Raising Series E equity to fund further expansion and seed capital budget through gas in grid (2026) and seeking additional capital to anchor investment for deployment of technology.



Low CI drop-in natural gas substitute – BioCat Methane – is the eFuel compatible with incumbent infrastructure and emerging decarbonization markets

Proven, proprietary and patented technology enables synthetic methane production from CO<sub>2</sub> and renewable power

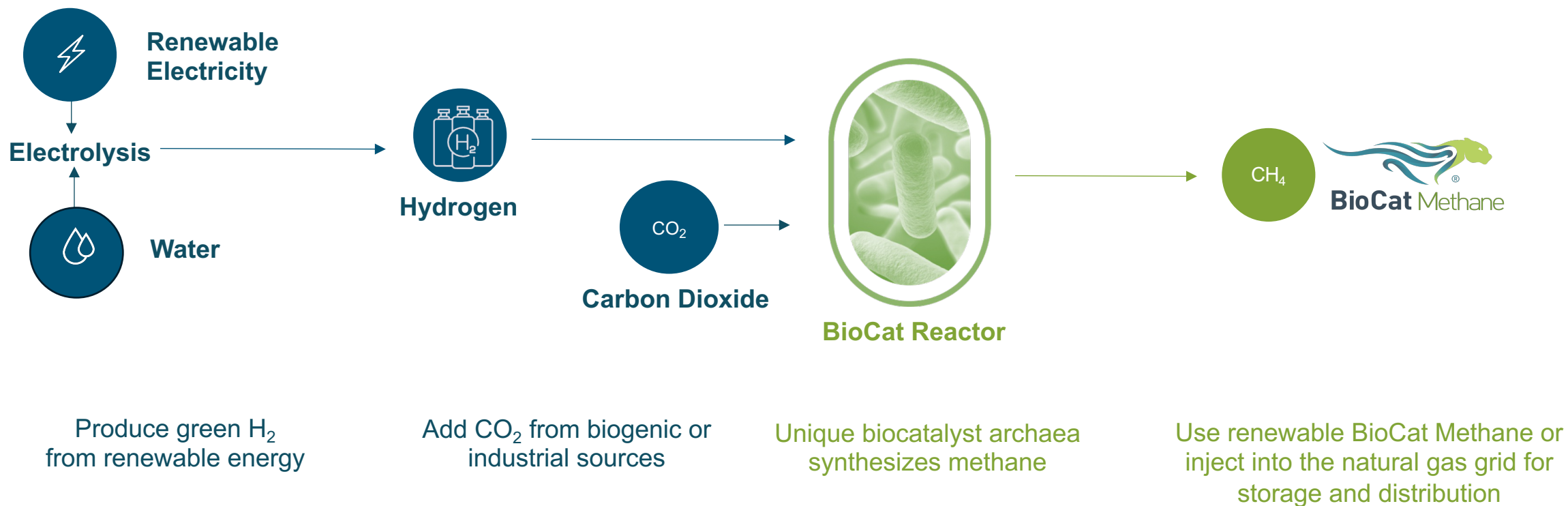




**BioCat** Methane

**We provide our scalable,  
patented technology for  
renewable **BioCat Methane**  
production**

# Proprietary P2M Process

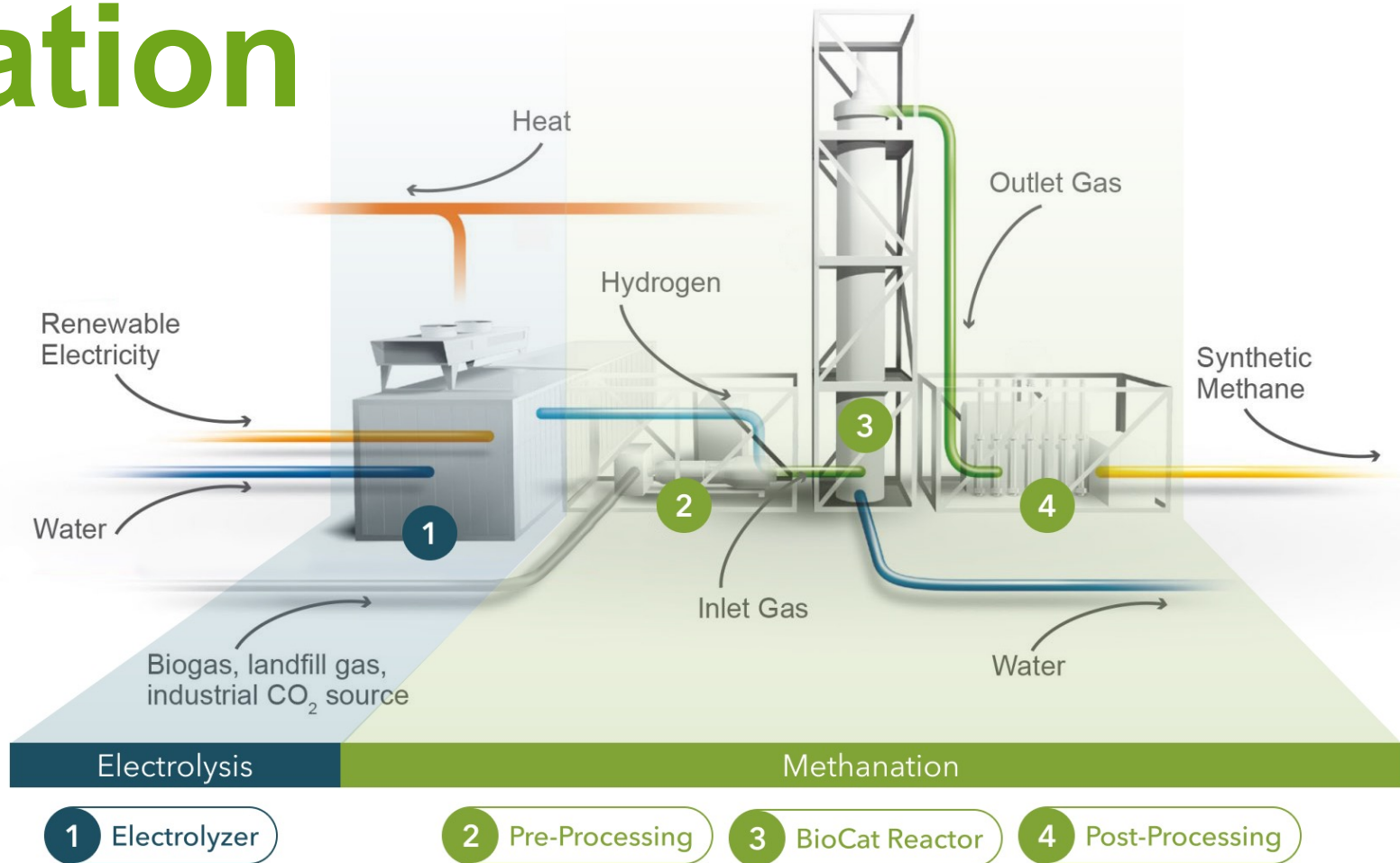


■ Inputs

■ Process and Output

# Overview of a biomethanation plant

Unique energy solution for the efficient and nearly unlimited storage of renewable energy



# Value creation



## Accelerated transport decarbonization

- Increasing demand for low-carbon fuels
- Compliance with regulatory and Scope objectives



## CCU market growth

- Rising demand for carbon capture & utilization
- Global gas grid decarbonization initiatives



## Long-term green energy storage

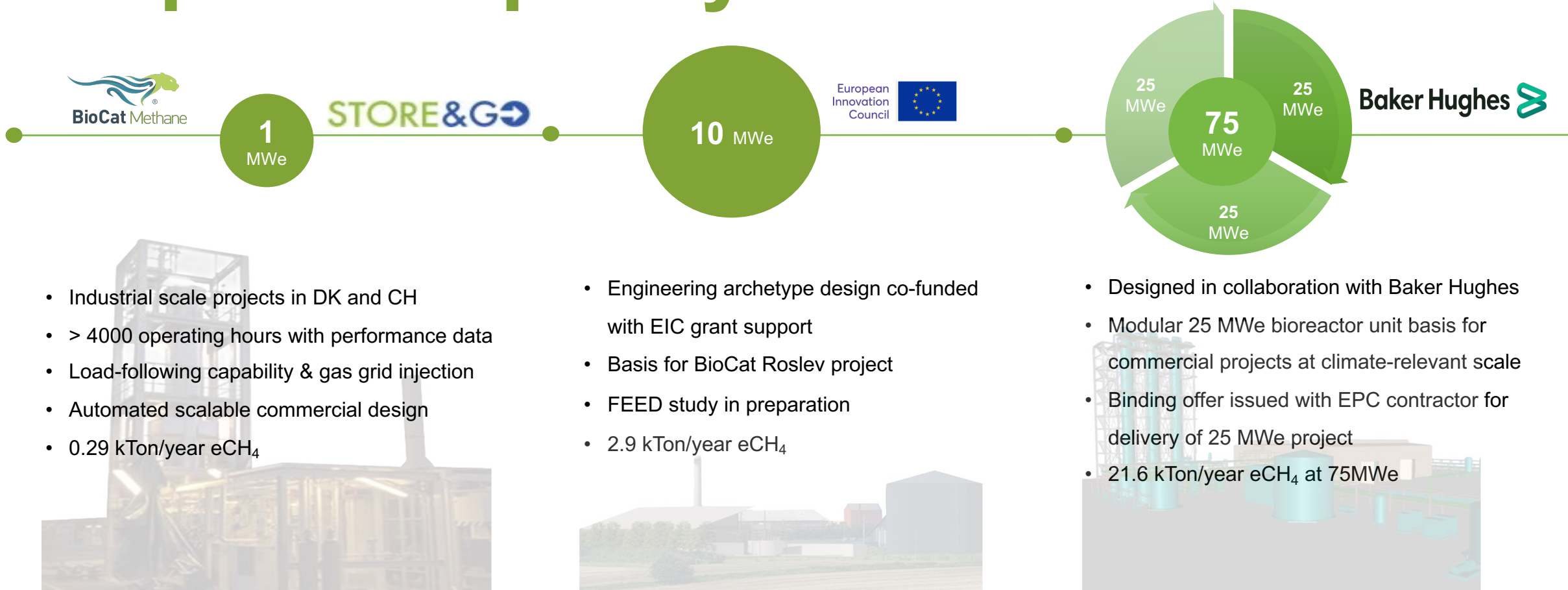
- Prevent renewable curtailment and revenue loss
- Transfer value across seasons and geographies
- Optimize renewable infrastructure and increase energy security



## Superior green hydrogen vector

- Safety and cost advantages vs. green ammonia and e-methanol
- Leveraging existing infrastructure minimizes timelines and costs

# Scaled for commercial production with proven quality



# Building a strong pipeline

## Key markets in 2030

Canada 🇨🇦

23.2 TWh / 2900 MWe

Switzerland 🇨🇭

3.2 TWh / 400 MWe  
import required

European Union 🇪🇺

40 TWh / >5000 MWe installations

United States 🇺🇸

26 TWh / 3250 MWe

Maritime

9.88 TWh / 1235 MWe

Japan 🇯🇵

2.8 TWh / 350 MWe



x TWh – renewable methane demand per year



x MWe – equivalent P2M installed capacity at  
8,000 h operation per year



# Commercial BioCat Methane Projects

Producing > 6.5 mn Nm<sup>3</sup>/y of



**Roslev, Denmark**



**12 MWe** input from onshore wind (behind the meter)  
**CO<sub>2</sub>** from anaerobic digestion “waste” stream  
**BioCat Methane** RFNBO production  
**Offtake** in maritime fuel market  
**>EUR 35 mn TIC** incl. electrolyzer & BioCat plant  
**450+ GWh** over 20-year operating lifetime



**Carbonaxion Neuville, Canada**  
Dare to be green!



**5 MWe** input from hydroelectric (green grid)  
**CO<sub>2</sub>** from landfill “waste” stream  
**BioCat Methane** production  
**Offtake** by Provincial Gas Network operator  
**CAD 25 mn TIC** incl. electrolyzer & BioCat plant  
**400 GWh** over 20-year operating lifetime



**CTBM Saint-Pie, Canada**



**5 MWe** input from hydroelectric (green grid)  
**CO<sub>2</sub>** from anaerobic digestion “waste” stream  
**BioCat Methane** production  
**Offtake** by Provincial Gas Network operator  
**CAD 25 mn TIC** incl. electrolyzer & BioCat plant  
**400 GWh** over 20-year operating lifetime



>75 mn €  
raised to date

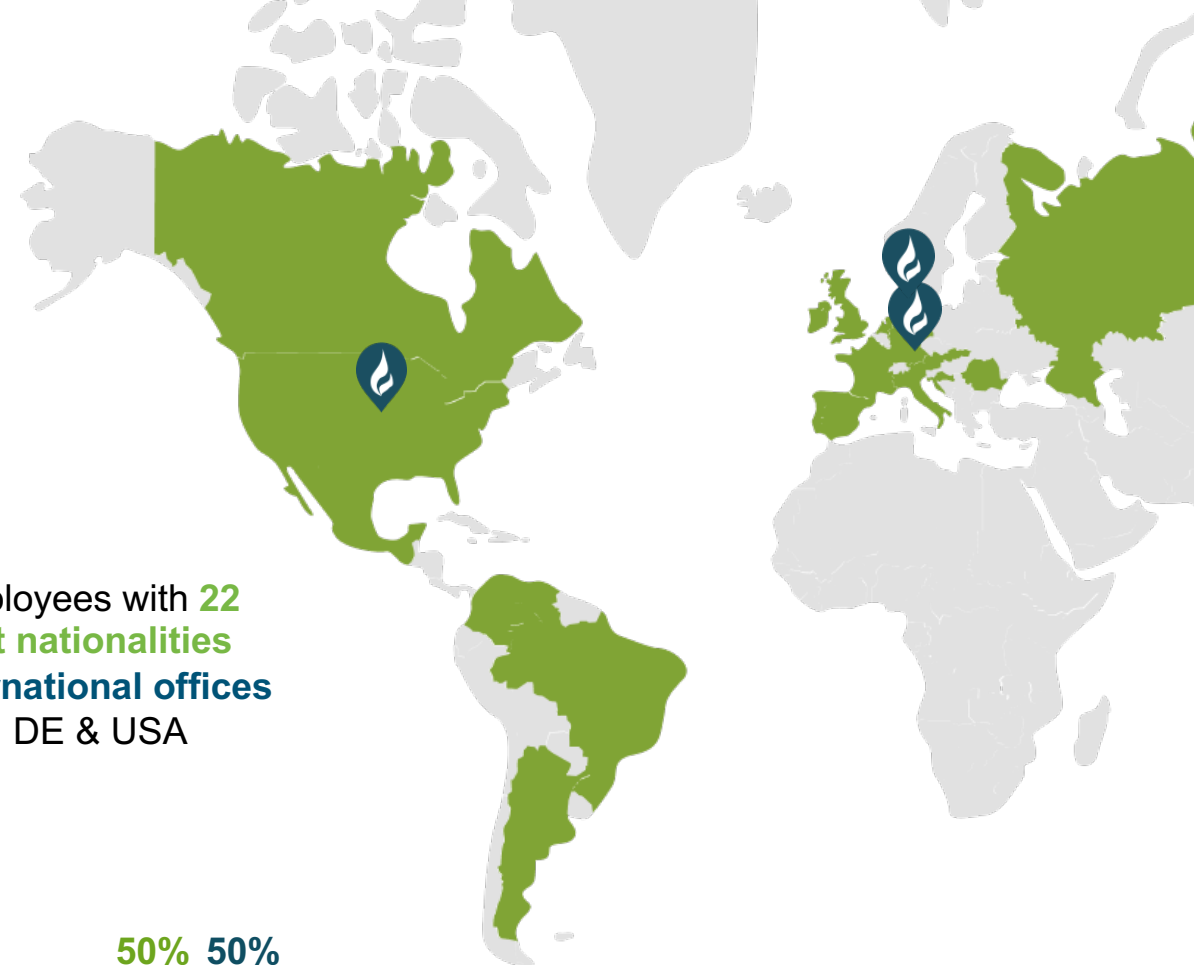
Now raising  
**50 mn €**  
Series E Funding

# Join us

in our mission to green the gas grid  
and ensure a sustainable future



[info@electrochaea.com](mailto:info@electrochaea.com) [www.electrochaea.com](http://www.electrochaea.com)



~ 60 employees with 22  
different nationalities  
and 3 international offices  
in DK, DE & USA

50% 50%



Gender Diversity at  
Managing Director Level



Gender Diversity  
at Company Level



10 BioCat Methane





Thank you for your interest!