

# From Forest to Grid- Realizing Sweden's First e-NG Production Facility

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 **TES**



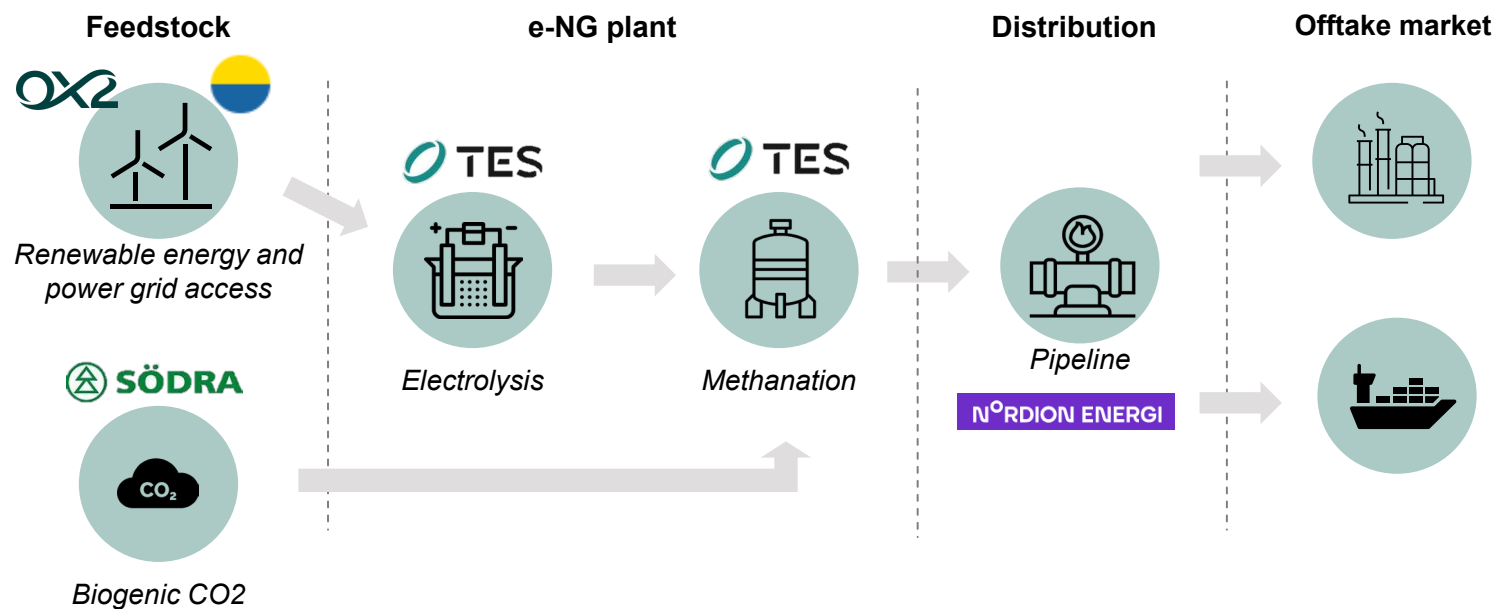
 **SÖDRA**

# Strong Consortium

## - Combining Strengths for a Green Future



### Project value chain



# Advancing large-scale e-NG in Sweden

- Supported by Industrial Leap Programme



Swedish Energy Agency



Finansieras av  
Europeiska unionen  
NextGenerationEU

## SEK 16.8 million in public funding

Confirming the project's strategic relevance for scaling renewable gas and accelerating industrial decarbonisation in Sweden

## Why This Matters

### National recognition

- Project's climate impact potential

### De-risked development

- Public support accelerates early-stage progress

### Net-zero Alignment

- Directly supports Sweden's 2045 decarbonisation target

### Next-phase Maturation

- Enabling technical and commercial advancement

# Sweden's first e-NG Project

## - Renewable green gas



### Project Partners

Södra, OX2 and TES with an ownership of 1/3 each



Renewable power grid  
& Wind PPA's



Emission reduction  
250 000 tons  
CO<sub>2</sub> per year.



Waste heat enables  
efficient CO<sub>2</sub> capture



1.2 TWh/year of e-NG  
increases Swedish-  
produced gas in  
Nordion's grid  
fourfold



Installed electrolyzer  
capacity of 300 MW,



Grant funding of 16,8  
million SEK by  
Industriklivet

Through the Swedish gas network, we access the entire EU market as one of the first large-scale e-natural gas projects by 2031

## Mission and Vision

To accelerate the energy transition by delivering scalable, resilient renewable gas solutions that decarbonise hard-to-abate sectors and strengthen domestic energy supply across Sweden and the EU

# The e-NG project

## - Benefits to our communities



- Increases Swedish clean gas production & reduces fossil imports (1.2 TWh/year)
- Avoids ~250,000 t CO<sub>2</sub> emissions per year



- Based on reference projects:  
200–300 jobs during construction (direct/indirect)  
25–50 permanent jobs over the project lifetime



- A collaborative and open dialogue with key stakeholders



- ~400-500 MEUR in investment for the region



- Support hard-to-abate industry, shipping & transport with RFNBO-compliant e-NG



- Ensuring responsible environmental outcomes through permitting and EIA processes

# The e-NG project

## - Strategic impact



- **Greening the Gas Grid:** 1.2 TWh of e-NG increasing Swedish fossil-free gas production in the gas grid by more than fourfold
- **Strengthening Energy Resilience:** Supporting national energy security by reducing import dependency through local renewable gas production and supporting electricity grid balancing.
- **Supporting Maritime Ambitions:** Contributing to the Port of Gothenburg's goal of becoming a leading Nordic hub for sustainable fuels
- **Solutions for Hard-to-Abate Sectors:** Providing a practical "drop-in" fuel for heavy industry and shipping where electrification remains a challenge.



# First offtaker

- Heads of Agreement signed



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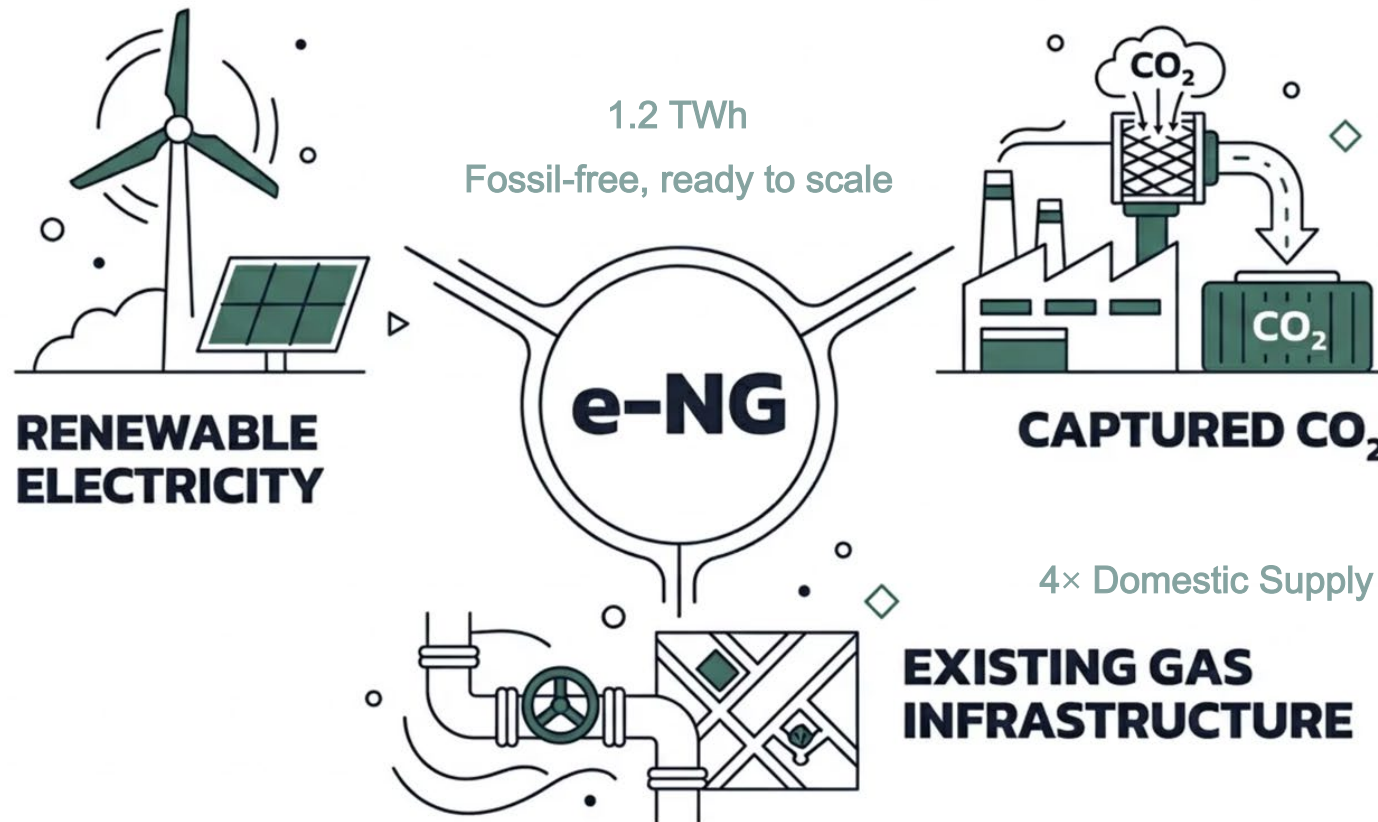
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Confidential Offtake HoA  
with a European Energy  
Firm



# From concept to large-scale deployment



The technology exists. The infrastructure exists. Now we scale.