



# Electrifying industrial heat

Investor Presentation

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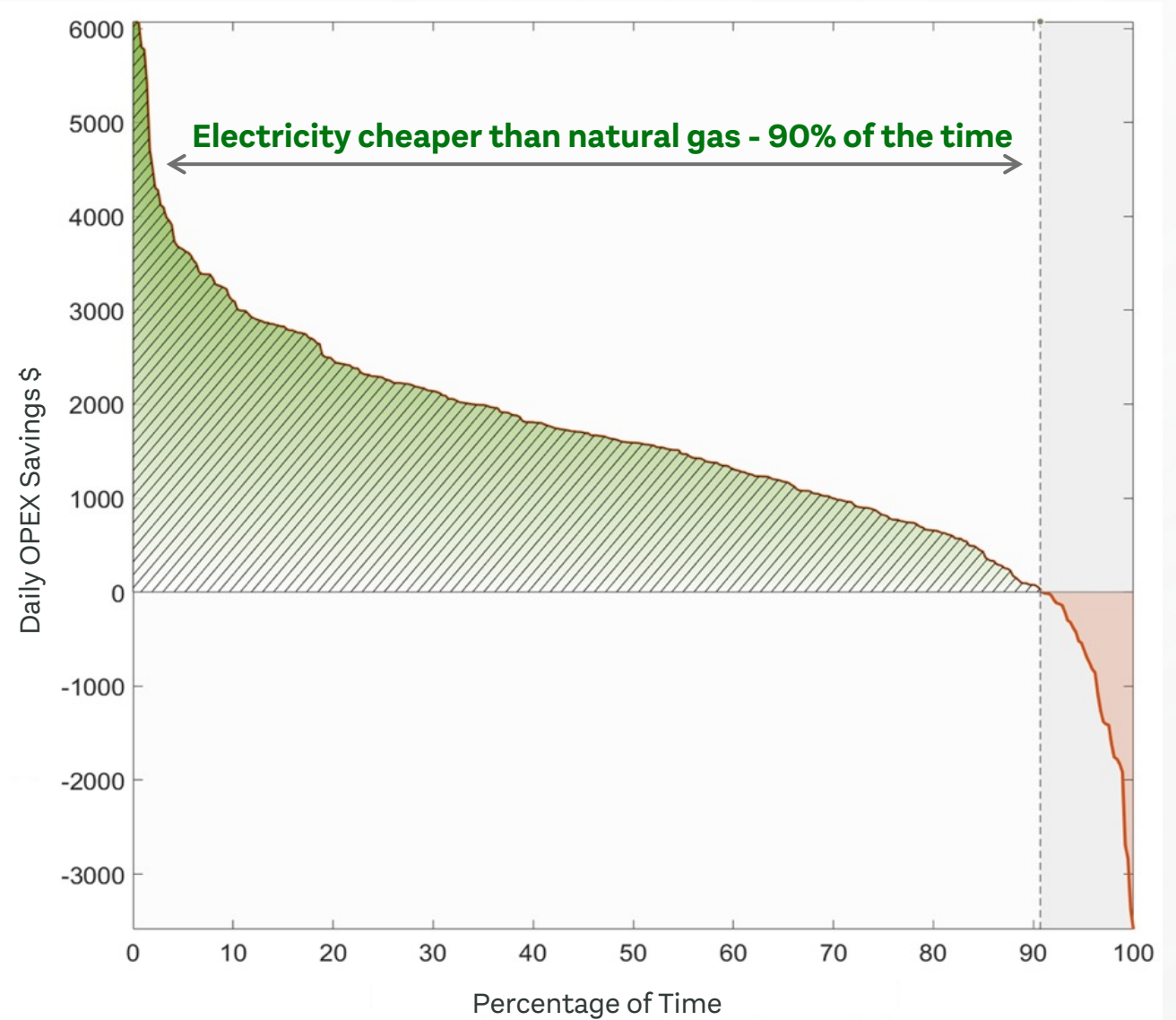
Certain statistical and other information included in this presentation is sourced from publicly available third party sources and has not been independently verified.

# Why electrify Process Heat?



As renewable generation dominates:

- Electricity costs fall below gas prices 90% of the time
- One technology. Two markets. Big upside.



# Turning Cheap Renewable Energy Into Valuable Industrial Heat

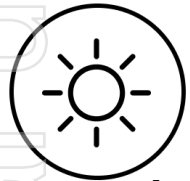


SiBox<sup>®</sup> stores renewable energy as heat to replace natural gas

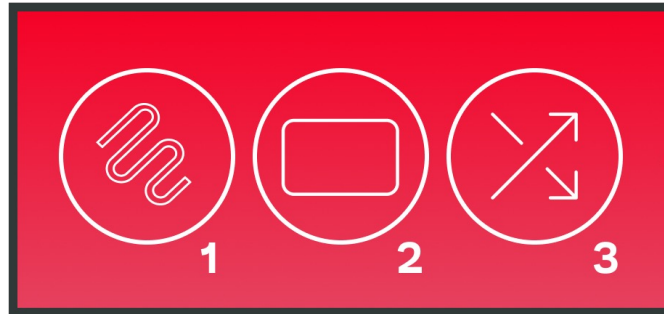
Energy in

SiBox<sup>®</sup> thermal energy storage system

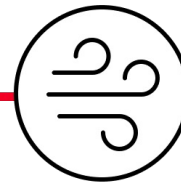
Heat out



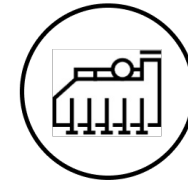
1



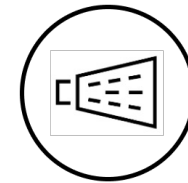
- 2 Heating element
- 3 SiBrick<sup>™</sup>
- 4 Heat recovery chamber



Hot air



Boiler or heat exchanger



Turbine

Heat to process

Combined heat and power

Supported by:

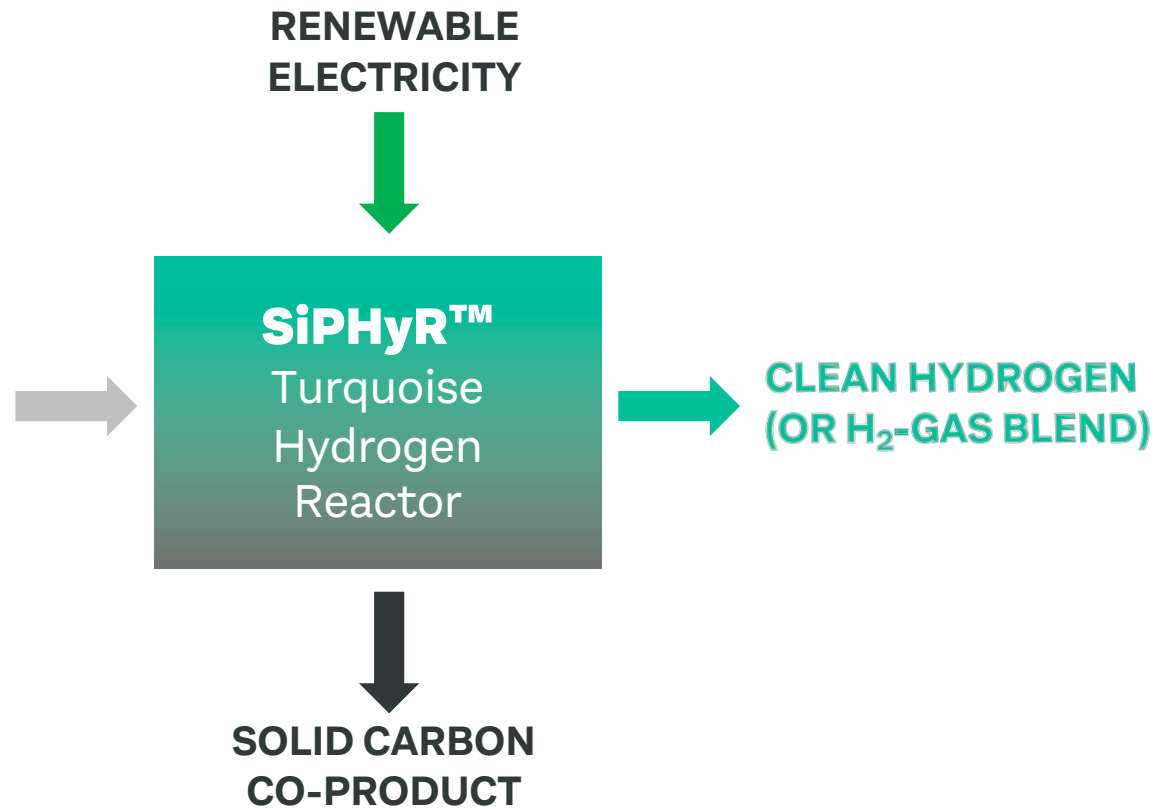


Australian Government

# SiPHyR™ - Capturing the Turquoise Hydrogen Opportunity



Proprietary methane pyrolysis + renewable electricity → clean hydrogen & solid carbon  
– faster, cheaper and scalable



## Why SiPHyR?

- Faster & cheaper to deploy than blue or green H<sub>2</sub>
- Leverages existing infrastructure – no new pipelines or transport needed
- Produces valuable solid carbon – no CO<sub>2</sub> emissions to manage

## Massive Market Potential

- Low-emissions H<sub>2</sub> could meet 25% of global energy demand
- €10 trillion market at under US\$2/kg

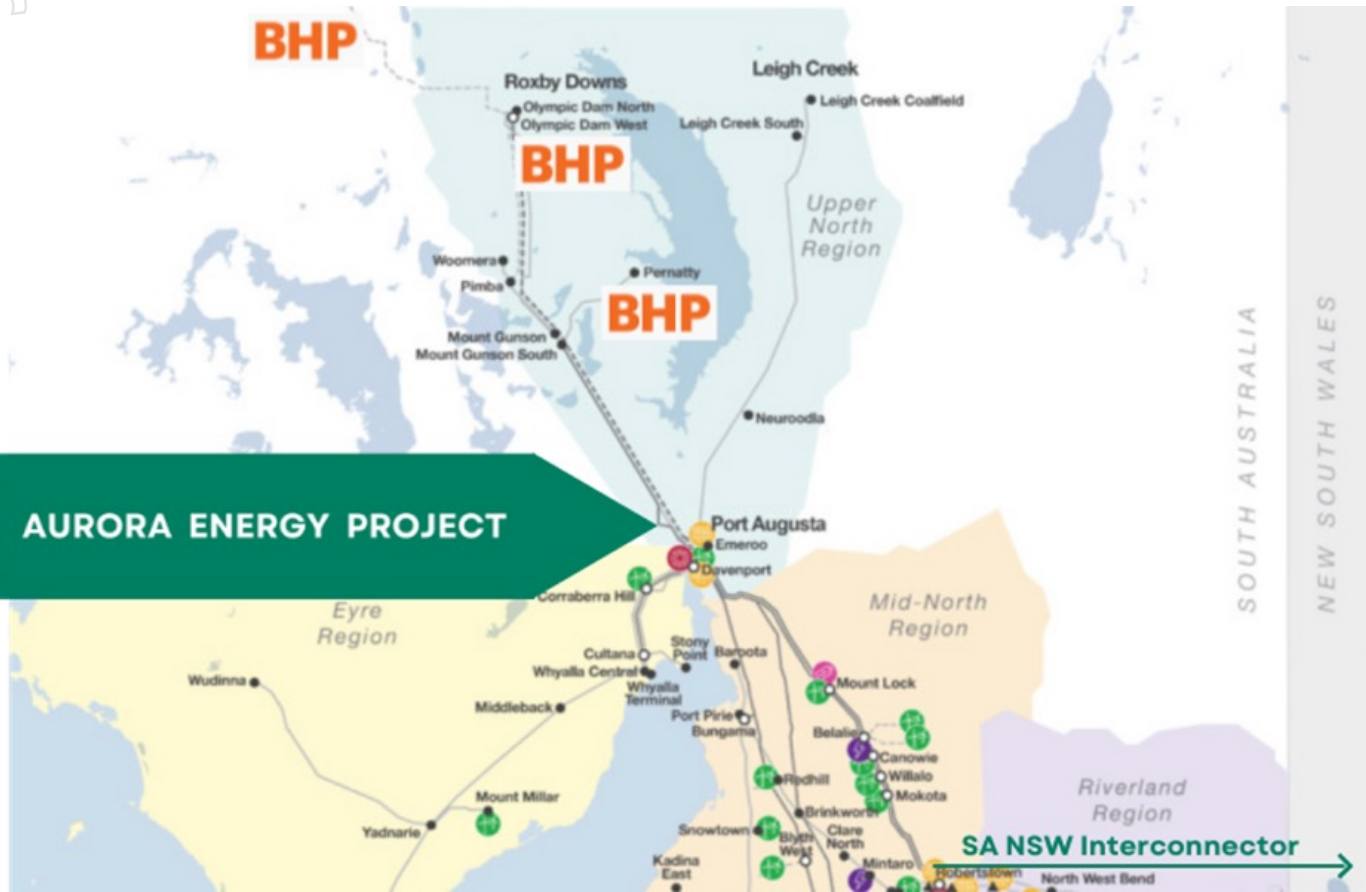


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# 140MW 2-hour Li-ion Battery Energy Storage System

Strategic position in zone with excess renewable generation to drive revenue from National Electricity Market

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# Clear path to scale and revenue



Proven technology, growing markets, and strategic execution driving long-term value creation.

## We solve real problems

- Affordable decarbonised industrial heat
- Monetising grid volatility & stabilisation
- Low-cost hydrogen for existing gas pipelines

## Multiple Revenue Streams

- Heat-as-a-Service contracts
- Grid services: FCAS, arbitrage & controllable load
- Emerging hydrogen sales into a €10T global market

## Ready to Scale

- Proven technology with >8,000 operational hours
- Aurora Energy Precinct strategically located
- Strong partner network in place

## Why now?

- Global shift to cheap solar & wind is underway
- Industry must decarbonise - 1414 delivers without added cost
- Proven tech + clear revenue pathways + strong competitive advantage





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Contact Us

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