



sakowin
GREENenergy

G rard Gatt – President
gerard@sakowin.com

NEXT-GENERATION
OF COMPETITIVE SUSTAINABLE
HYDROGEN PRODUCTION

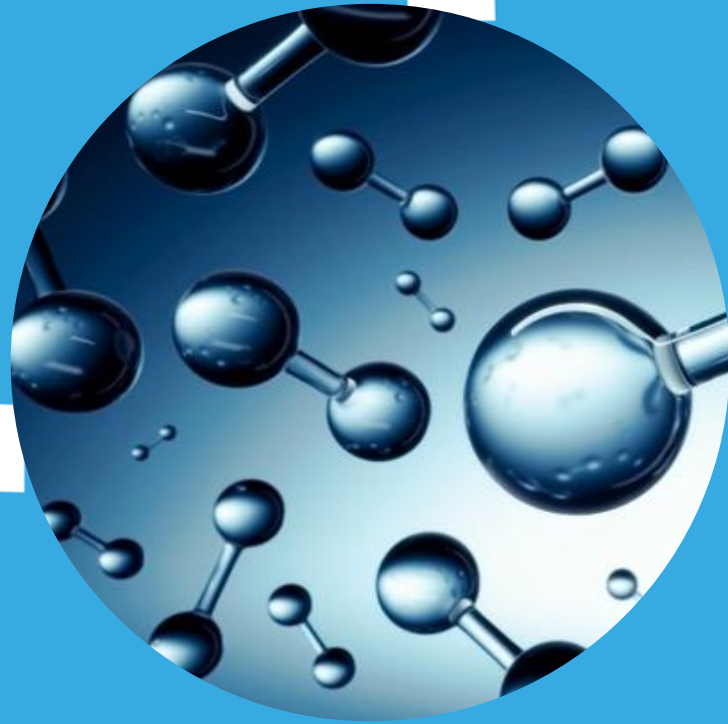


2021

36,4 BILLION
TONS OF CO₂

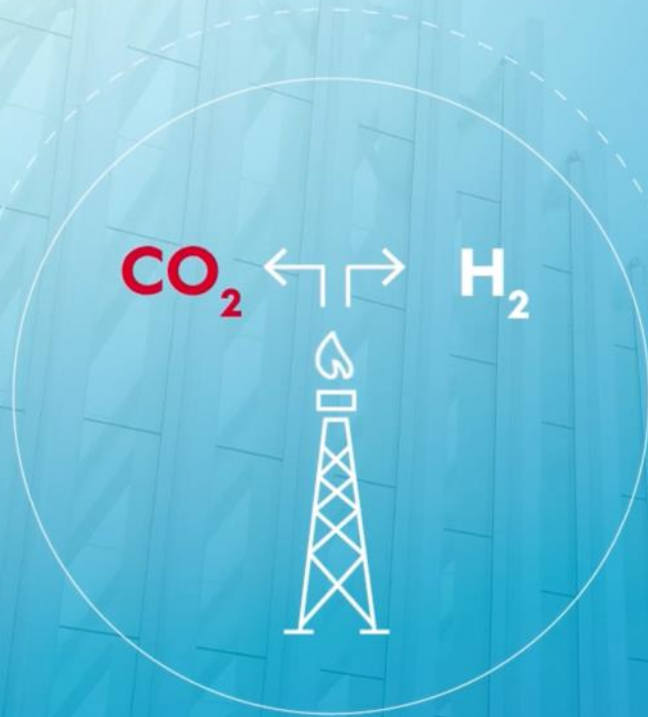
2050

10 BILLION
TONS OF H₂

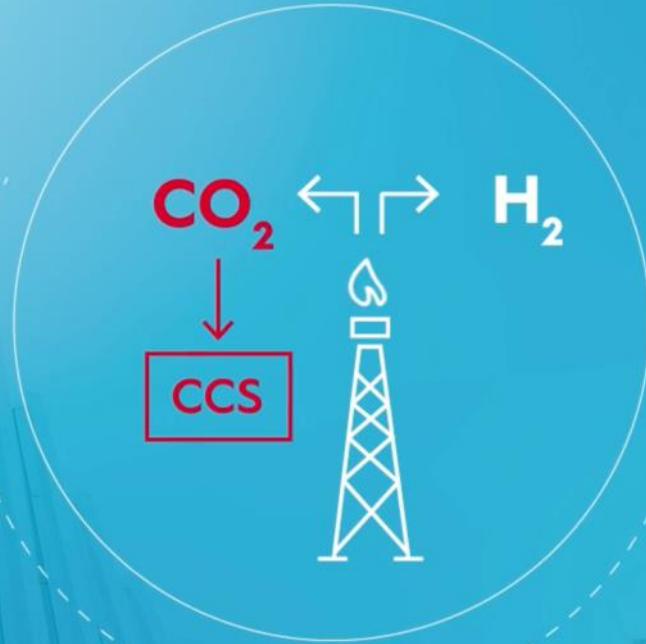


The ENERGY TRANSITION
will necessarily involve
HYDROGEN.

EXISTING SOLUTIONS ARE NOT ENOUGH!



Steam reforming



Steam reforming
with CCS

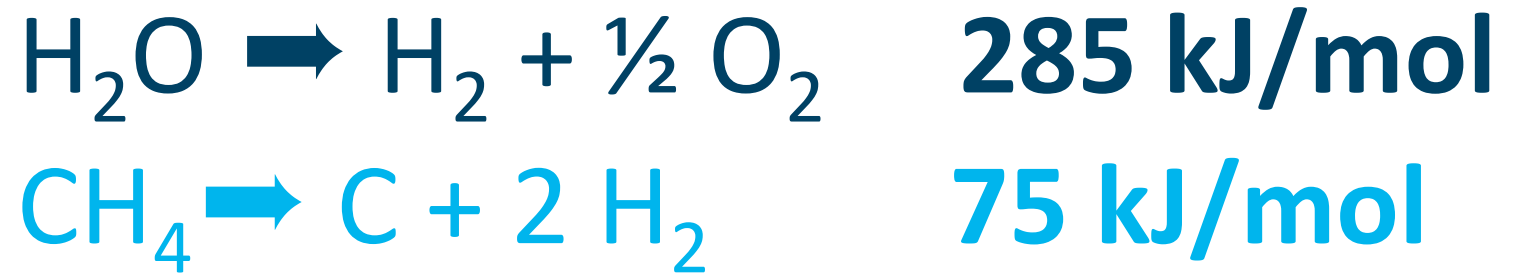


Electrolysis

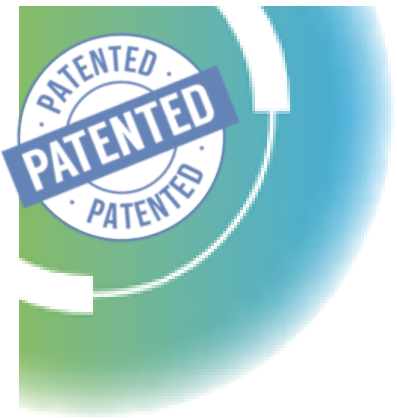
IMAGINE...

SUSTAINABLE HYDROGEN
WITHOUT CO₂
COMPETITIVE COST

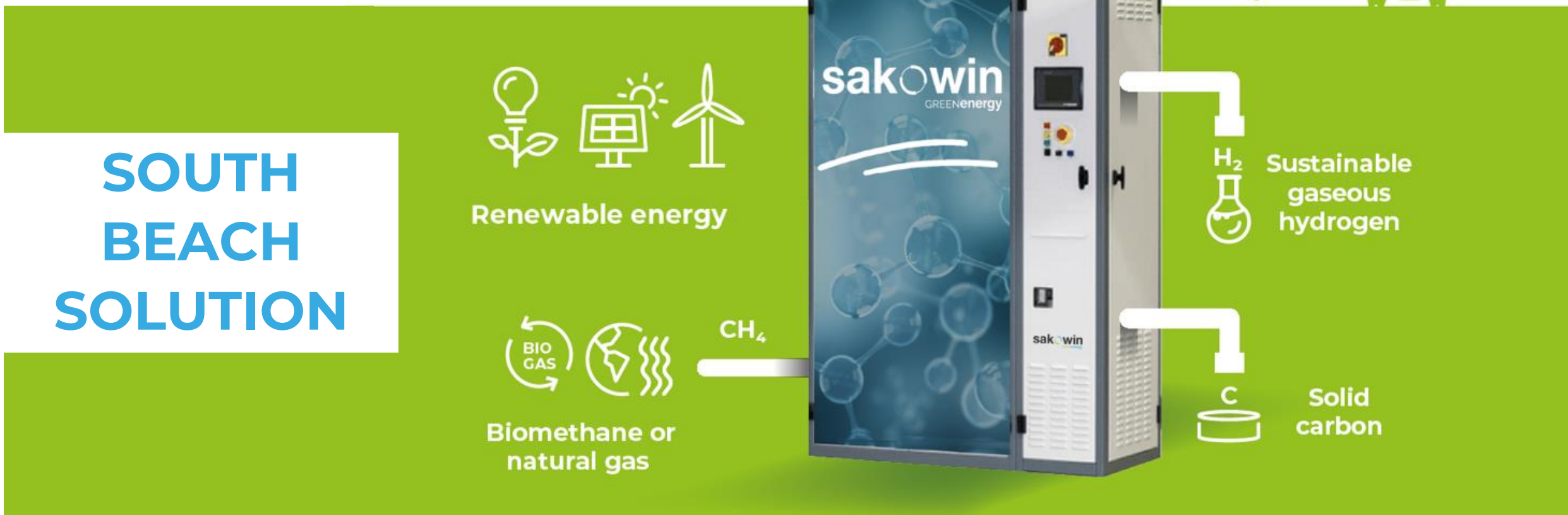




Methane needs 7 time less energy than water to produce the same amount of hydrogen.



COMPACT, MODULAR AND STACKABLE
FOR ON-SITE HYDROGEN PRODUCTION
ON DEMAND



**SOUTH
BEACH
SOLUTION**

Hydrogen

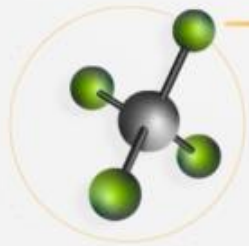


Solid Carbon

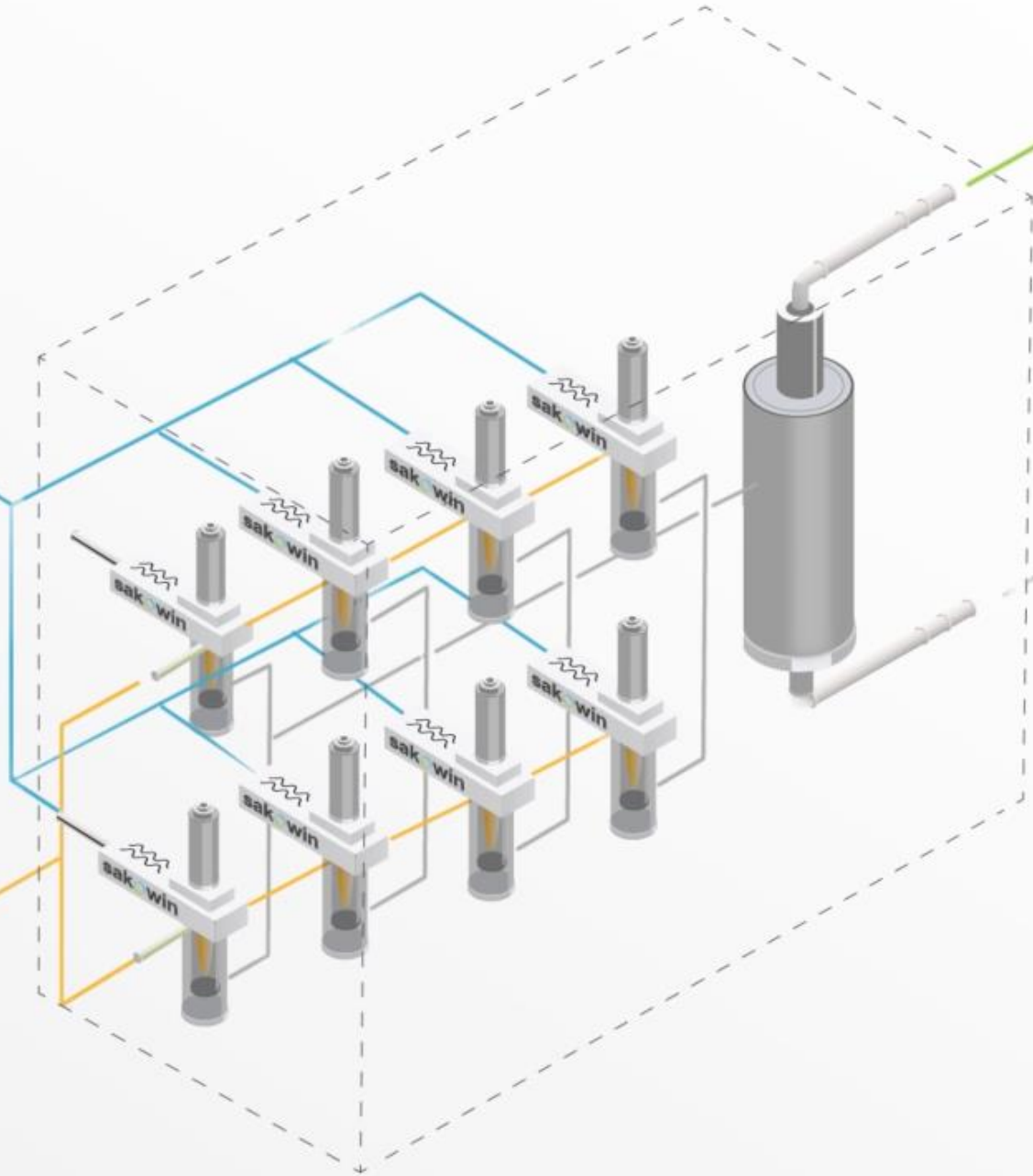
**Modular
Stackable
& Scalable**



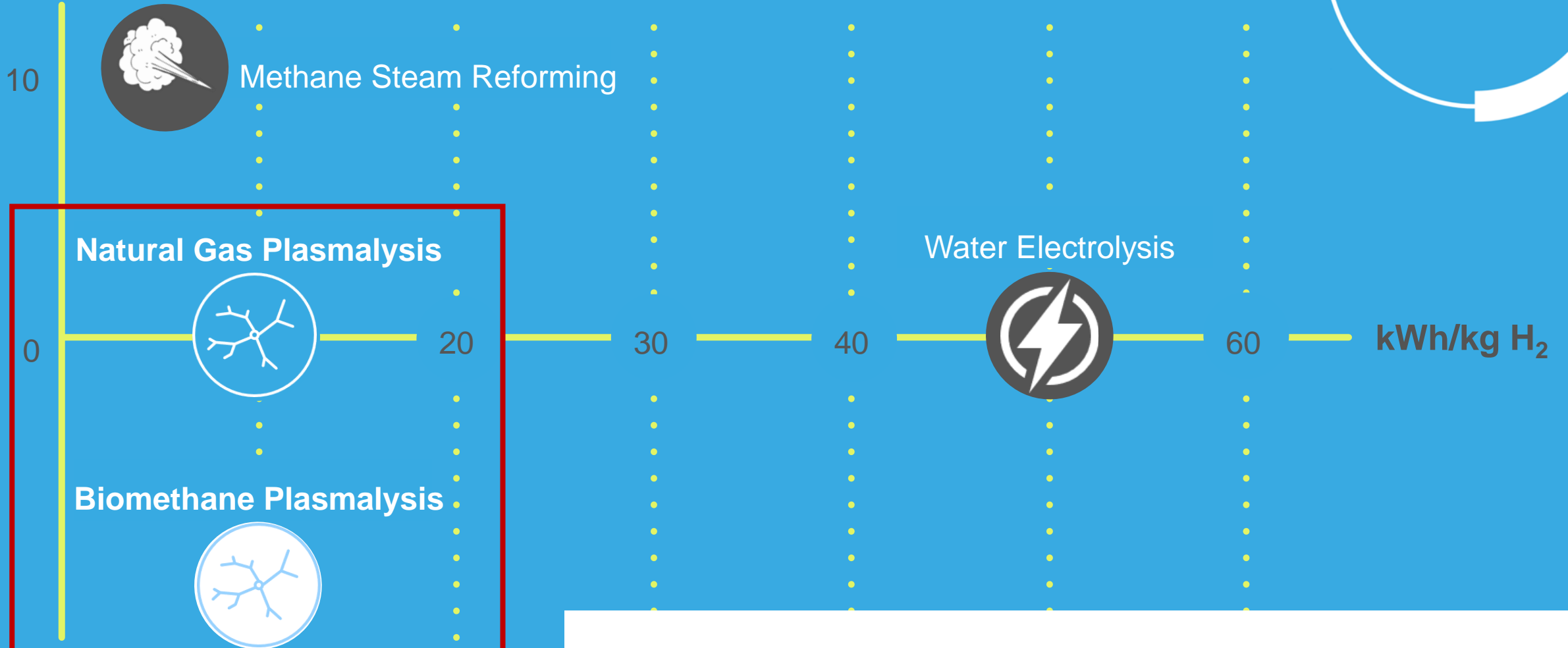
Electricity



Methane



CO₂/kg H₂



sakowin

Plasmalysis with biomethane
CO₂ negative renewable energy solution



**\$2 500 BILLION
BY 2050**

HYDROGEN PRODUCTION MARKET
ESTIMATION



BUILDING MATERIALS



AGRICULTURE

OPPORTUNITY FOR
SAKOWIN
SOLID CARBON

**\$23 BILLION
BY 2026**

CARBON BLACK
MARKET ESTIMATION

INVESTMENT PLAN MILESTONE-BASED

4 M€ OVER 2 YEARS
to complete 1st Product and
be ready for launch



2021 - 1M€ indus.

03 - 2022

06 - 2022

2023 – 2024

2026



2.5 M€
Bpifrance



6.5 M€
2.5M€ Grant +
4M€ Equity

4.0 M€ EQUITY OVER 2 YEARS
Matching 4.0 M€ from EIC Accelerator
Prototypes, Product @ TRL 9
Industrialization & Worldwide Sales



Technology Optimization and Scale-Up

2022	2023	2024	2025
3kW Prototype	6kW Prototype	100 kW demonstrator <i>Integration and demos with OEMs</i>	Product Release 100 kW SB Module TRL 9

Product Release
100 kW South
Beach Module



3 kW PROTO – TRL6

Technical lock : Energy efficiency optimization <10 kWh/kg H₂

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1ST SIGNED PARTNERS IN 2021



CO₂-FREE INDUSTRIAL PROCESS
FOR MATERIALS



H₂ REFUELING STATION
FOR AIRPORTS



CO₂-FREE OIL & GAS
EXTRACTION



H₂ REFUELING STATION
FOR FARMS & BIOMETHANE



H₂ REFUELING STATION
FOR TRUCKS



SEVERAL
POTENTIAL
PARTNERS

CORE TEAM

250+ years of cumulative experience

7 PhDs
6 engineers



A FUTURE WITHOUT CO₂

THANK YOU

Gérard Gatt – President
gerard@sakowin.com

AWARDS



- 06/2021 - H2 Hub Airport Winner
- 05/2021 - Forum National Eco-entreprises (Energy award)
- 10/2021 - Energy for Smart Mobility Forum (Energy award)
- 11/2021 - Pollutec (special jury prize)
- 11/2021 - BlueInvest readiness
- 2021 - Award World Impact Summit
- 12/2021 - Gazelle Accelerator - Aerospace Valley - EIT Manufacturing (finalist, 2nd)
- 03/2022 - Réseau Entreprendre member
- 03/2022 - BPI - DeepTech label
- 03/2022 - World Material Forum (finalist)
- 05/2022 - EIC Accelerator

MEMBER OF



FINANCIAL SUPPORT

