



HIF Global – Haru Oni plant

Certification Experience of eFuels

ISCC Plus

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Bringing Renewable Energy Resources to the Global Market as eFuels

Commercial scale
eFuels facilities

12

Annual eFuels
production capacity

9.1B Liter

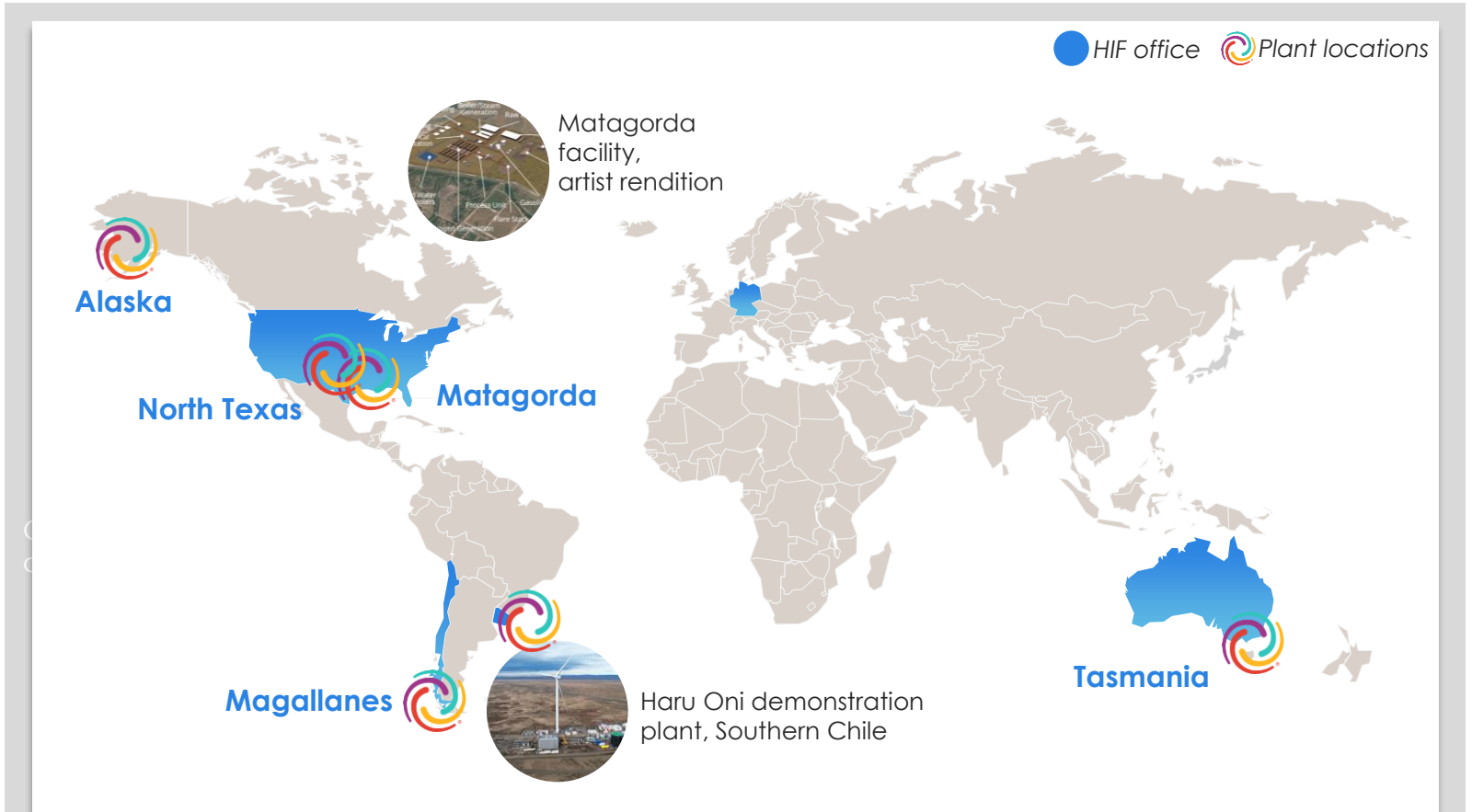
Development funding
secured

\$260MM

Global
employees

> 120

Equity partners



OUR VISION

capture more than **25 million tons per year of CO₂** from the atmosphere, produce approximately **150,000 barrels per day of eFuels**.



Haru Oni Demonstration Plant, Chile

First eFuels produced in December 2022



Key stats

Investment	USD \$ 74 million
Wind turbine capacity	3.4 MW
eMethanol production	350 t/a
eGasoline production	130.000 l/a, RON 92-95, can be blended with ethanol/methanol or other products to easily reach country specs

World Class Team



HIF Global as owner and lead developer



PORSCHE
Offtaker of the product

ExxonMobil

Provides MtG technology



Joint R&D in eLPG



Technology provider and integrator



Partner for wind power gen. and H₂ production

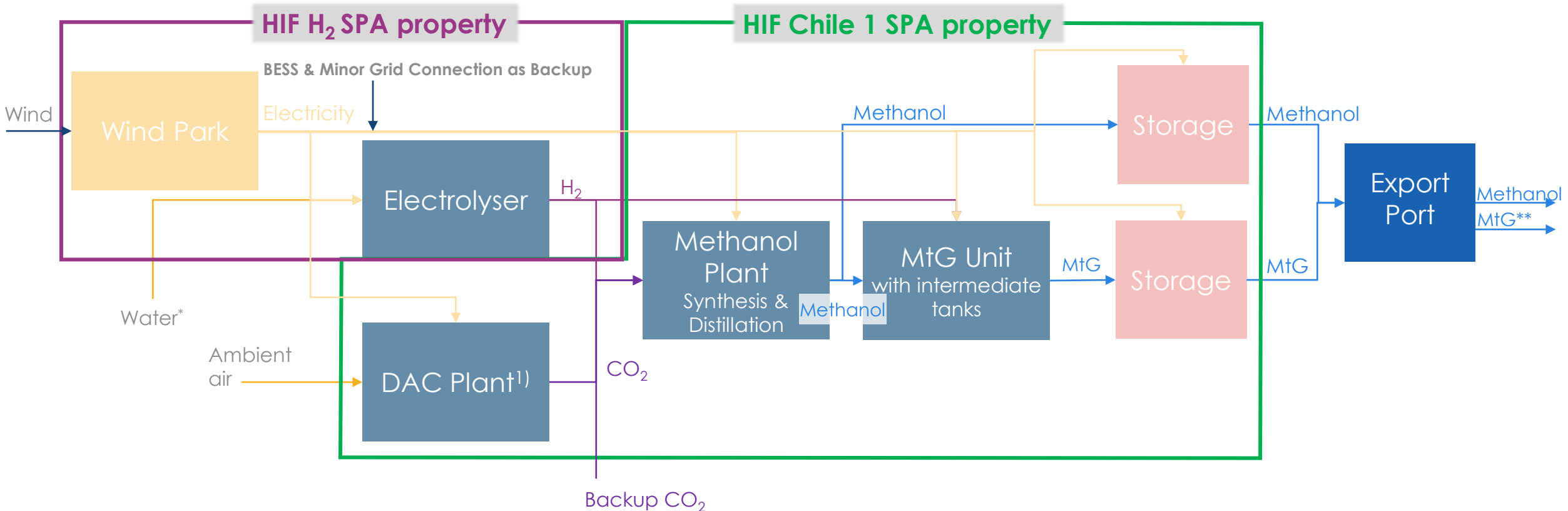


Infrastructure service provider

Haru Oni (demo plant): The Process



Tehuel Aike site 



* Water is obtained from own well and treated through a reverse osmosis process; alternatively, consideration of external supply of demineralized water.

** MTG includes Gasoline and LG as output

Certificates and Closing remarks



- Complete process of around 8 month to get certification (2 certificates)



- 4 complex chemical process “black boxes” (GHG calculation)



- Measurement system requirements
- Internal procedures, management systems, documentation, etc.

- 3 Drop in Fuels, **eMethanol**, **eGasoline**, eLG (still pending)

- Certification is key for any green products. **Without certification the product has no green value.**

- Looking to certify the HARU Oni plant as EU RFNBO in the near future.

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認證證書 ◆ CERTIFICATE ◆ ZERTIFIKAT



ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE102-23050071

TÜV SÜD Industrie Service GmbH
Westendstr. 199, D-80686 Munich

certifies that
HIF H2 SpA

Avda. Apoquindo 3472 Of. 1401, 7550105, Las Condes, Santiago Chile

complies with the requirements of the certification system
ISCC PLUS
(International Sustainability and Carbon Certification)

Place of the audit
(if different from the legal address of the system user as stated above; only applicable for paper traders):
Ruta 9 norte km 40.5, 6200000 Punta Arenas (Chile)

This certificate is valid from 25.05.2023 to 24.05.2024

The site of the system user is certified as:

Energy Producer
Electrolysis Plant

The scope of the certificate includes the following chain of custody options:
(not applicable for paper traders)

Mass balance:
Energetic determination

Munich, 25.05.2023

Place and date of issue

Dr. J. Casella

Stamp, Signature of issuing party

The Issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 1 (no adjustments) / 25.05.2023



Industrie Service

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認證證書 ◆ CERTIFICATE ◆ ZERTIFIKAT



ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE102-23050070

TÜV SÜD Industrie Service GmbH
Westendstr. 199, D-80686 Munich

certifies that
HIF Chile1 SpA

Avda. Apoquindo 3472 Of. 1401, 7550105, Las Condes, Santiago Chile

complies with the requirements of the certification system
ISCC PLUS
(International Sustainability and Carbon Certification)

Place of the audit
(if different from the legal address of the system user as stated above; only applicable for paper traders):
Ruta 9 norte km 40.5, 6200000 Punta Arenas (Chile)

This certificate is valid from 25.05.2023 to 24.05.2024

The site of the system user is certified as:

Methanol Plant
Syncrude Plant

The scope of the certificate includes the following chain of custody options:
(not applicable for paper traders)

Mass balance

Munich, 25.05.2023

Place and date of issue

Dr. J. Casella

Stamp, Signature of issuing party

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