



# **Namibia Green Hydrogen Networking Reception**

**24 of April 2026, The Hague**



# Introduction



**Auke Boere**

*Senior Business Development Africa*  
Netherlands Enterprise Agency (RVO)



# Word of Welcome

**Annemieke Broesterhuizen**  
*Managing Director International Trade*  
Netherlands Enterprise Agency (RVO)



# Strengthening Namibian-Dutch Partnerships in Green Hydrogen

**H.E. Dr. Alfredo Tjiurimo Hengari**  
*Ambassador-designate to the Netherlands, Embassy  
of the Republic of Namibia to Belgium*



# Combi-Track Green Hydrogen for Namibia

**Auke Boere**

*Senior Business Development Africa  
Netherlands Enterprise Agency (RVO)*



Netherlands Enterprise Agency



# Combi-Track GH2 Namibia and South- Africa



# A combitrack...

- = **multi-annual sectoral approach** (5+ years)
- > **(Dutch) diamond** and **local sector** collaborate to seize opportunities and make **impact**
- > Together they advance **green** and **digital solutions** to local challenges
- > Various projects jointly help to:
  - **Position Dutch businesses** with unique expertise
  - **Remove barriers** in the business environment
  - **Support local economic development**
    - E.g. via job creation for youth and women





# Overview combitracks [www.rvo.nl/combitracks](http://www.rvo.nl/combitracks)

Country	Theme
Morocco	<ul style="list-style-type: none"><li>Nexus sustainable <b>water-energy-horticulture</b></li></ul>
Egypt	<ul style="list-style-type: none"><li>Climate and water smart <b>horticulture</b></li></ul>
Kenya	<ul style="list-style-type: none"><li>Sustainable <b>cold chain / logistics</b></li><li>Access to healthcare and e-health</li></ul>
South-Africa	<ul style="list-style-type: none"><li><i>Just energy transition</i> – coal to <b>horticulture</b></li></ul>
South-Africa & Namibia	<ul style="list-style-type: none"><li><b>Green hydrogen</b></li></ul>
Nigeria	<ul style="list-style-type: none"><li>Integrated <i>off-grid</i> <b>solar-energy</b> solutions</li><li>Sustainable <b>horticulture</b> in South-west Nigeria</li></ul>
Ghana	<ul style="list-style-type: none"><li>Sustainable <b>horticulture</b> development</li><li>Sustainable <b>cacao production</b></li></ul>
Senegal	<ul style="list-style-type: none"><li>Climate smart <b>horticulture</b> in the Niayes region</li></ul>
Ivory Coast	<ul style="list-style-type: none"><li>Sustainable <b>horticulture</b> development</li><li>Local <b>cacao production</b></li></ul>

Country	Theme
Vietnam	<ul style="list-style-type: none"><li>Sustainable <b>aquaculture</b> in Mekong Delta</li></ul>
Bangladesh	<ul style="list-style-type: none"><li>Sustainable <b>horticulture</b> in South-west Bangladesh</li><li><b>Circular textile</b></li></ul>
India	<ul style="list-style-type: none"><li>Sustainable <b>waste management</b> and Waste 2 Energy</li><li>Sustainable <b>horticulture</b> in South-west India</li></ul>
Indonesia	<ul style="list-style-type: none"><li>Sustainable foodsystems / <b>food estates</b></li></ul>
Colombia	<ul style="list-style-type: none"><li>Sustainable and climate resilient <b>agriculture systems</b></li><li><b>Climate adaptation</b> in Cartagena</li></ul>
In development:	
Country	Theme
Ukraine	<ul style="list-style-type: none"><li><b>Wind energy</b></li></ul>



# Combi-Track GH2 Namibia so far

1. Visit PM Mark Rutte July 2023 + trade delegation
2. Pre-Feasibility Study Pipeline Namibia & South-Africa (Gasunie & Impact Hydrogen)
3. Study Hydrogen – Water nexus
4. NL Pavilions at Global African Hydrogen Windhoek in 2024 + 2025
5. Incoming Skills Development Mission May 2025



# Incoming Mission Namibia (and South-Africa) for World Hydrogen Summit

- > **Representatives of:**

- 1. National Planning Commission

- 2. Ministry of Industrialization & Energy

- > 3. Namibia Green Hydrogen Program

- > *Possibly: Minister of Energy  
NamPort & NamWater*

- Program (among others):**

- > Port of Rotterdam Tour

- World Hydrogen Summit incl. Namibia-session

- > Company visits (incl. Gasunie?)

- Cocktail Reception together with SA-delegation



# Contact us

## Netherlands Enterprise Agency (RVO)

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# Invest International enables...



## ...GH2 imports in NW-Europe



In addition to locally produced GH2, imports are needed to meet Dutch and EU climate goals.



## ...Emerging markets to catch new growth opportunities



Excellent renewable energy resources and vast areas of inhabited land often make emerging markets ideal places to produce GH2 and build a GH2 based industry.



## ...Dutch businesses to position themselves in international GH2 projects



Opportunities for engineering service providers, technology suppliers, EPC-contractors, transport & storage providers.

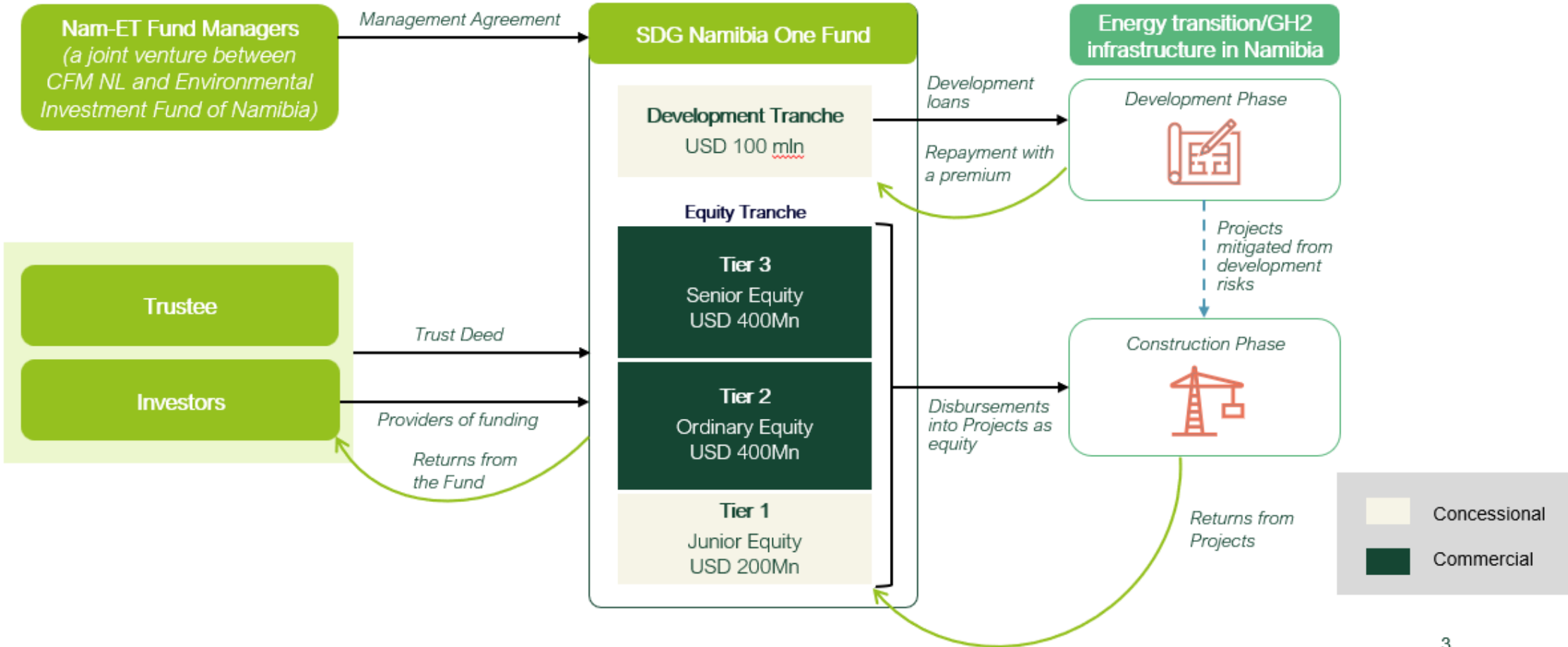
# Invest International enables Green Hydrogen in Namibia

**We are the largest donor to Green Hydrogen sector in the country**

- **EUR 40 million grant** to the Namibian Government for the development of Green Hydrogen projects via the **SDG Namibia One Fund**.
  - The SDG Namibia One Fund has so far commitment development funding to:
    - The Hyphen green ammonia project
    - The Hylron green steel project
    - The Zhero green ammonia project
    - The Southern Corridor pipeline between Namibia and South Africa
- **EUR 3 million grant** to the Namibian Government for the launch and initial operations of the **Namibia Green Hydrogen Programme**.
- **EUR 250,000 development capital funding** to Port of Rotterdam to develop the master plan of Lüderitz Port together with Namport and Hyphen.
- Active collaboration with the Governments of the Netherlands and Germany to prepare **a proposal for Global Gateway funding** for:
  - Infrastructure development in Lüderitz port and town
  - Additional blended finance for the development of Green Hydrogen projects
  - Risk mitigation and/or offtake support for Green Hydrogen projects

# SDG Namibia One Fund – Structure

EUR 40mln commitment by Invest International to Development Tranche





# Why Namibia?

**Gerard den Otter**  
*Technical Director*  
TerraWatt



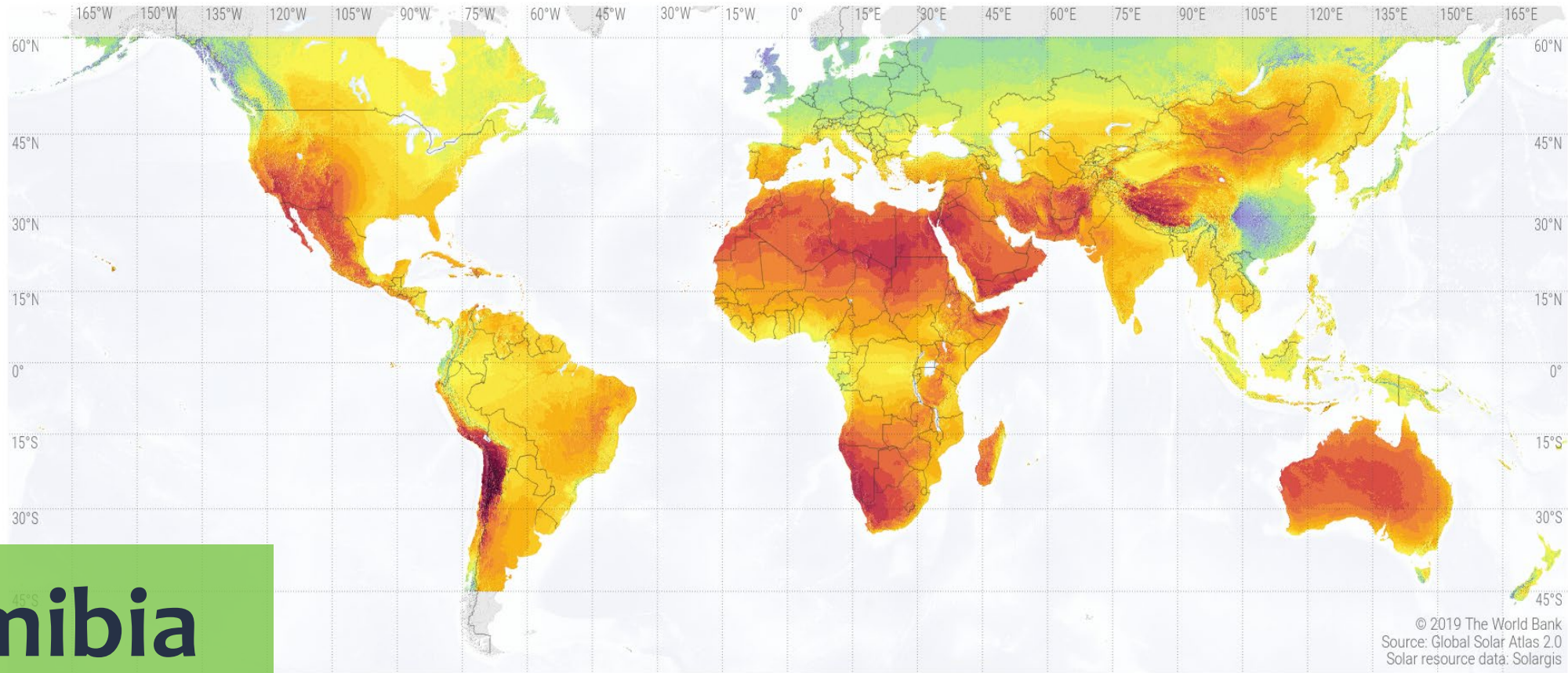


**TERRA WATT**

*Namibia's Green Hydrogen  
Networking Reception*

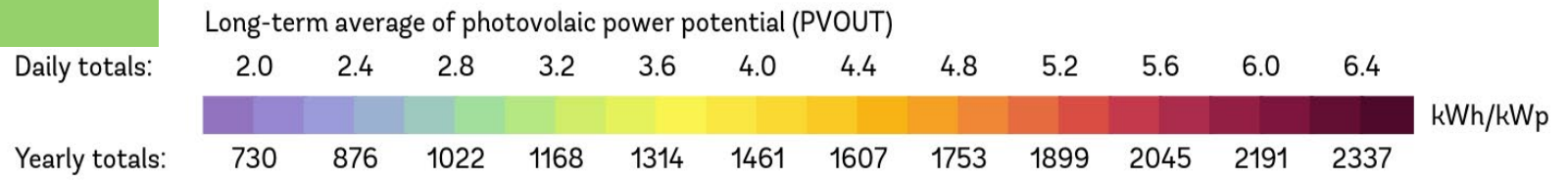
*April 2026*

# SOLAR RESOURCE MAP PHOTOVOLTAIC POWER POTENTIAL



© 2019 The World Bank  
Source: Global Solar Atlas 2.0  
Solar resource data: Solargis

## Why Namibia



This map is published by the World Bank Group, funded by ESMAP, and prepared by Solargis. For more information and terms of use, please visit <http://globalsolaratlas.info>.

# In order to make a solar project ready to build:

1. A suitable location
2. Permits and approvals
3. A feasible grid connection
4. A PPA

Surroundings of our project location

# Hydrogen

- Hyphen
- Transport
- Afname
- Value Chain
- Getting started



# Land Inclusive Solar Parks



**ECONOMY**



**ECOLOGY**



**TECHNOLOGY**



**COMMUNITY**



# SCOPE 12

## The new standard for solar parks



- Well-functioning solar parks after delivery and during operation
- Initiative of insurers
- The new sustainable standard for constructing, inspecting and insuring





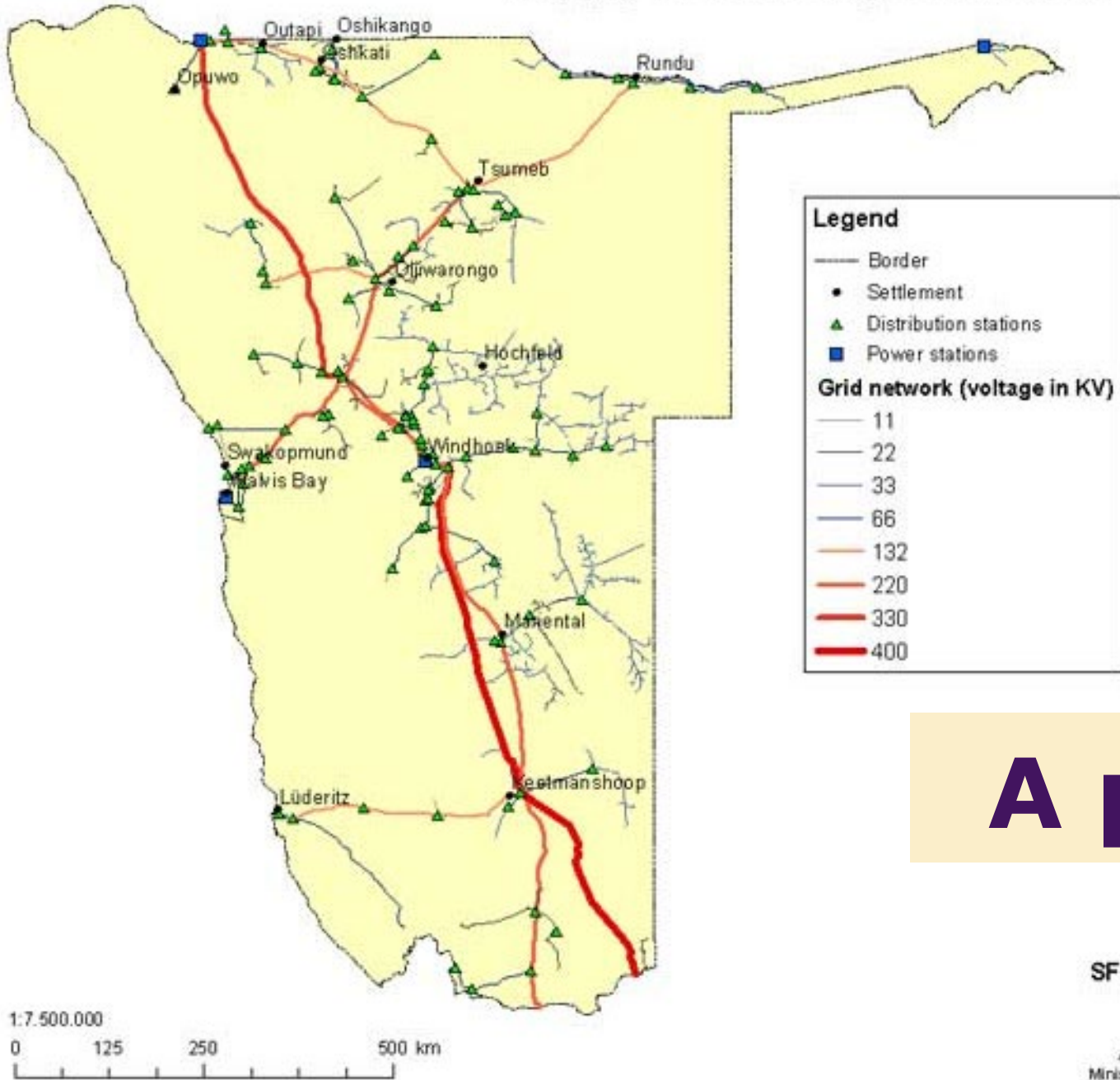
# Business Experiences in Namibia: A Personal Journey

**Jan Kruse**

*Co-Founder*

Solstice Management B.V.

## Supply of electricity in Namibia



# Business experiences in Namibia

## A personal journey

Map produced by  
SFB 389 'ACACIA', subproject E1  
University of Cologne



Data source:  
Atlas of Namibia Project, 2002, Directorate of Environmental Affairs,  
Ministry of Environment and Tourism. <http://www.dea.met.gov.na> (2003)

**SOLSTICE**  
MANAGEMENT BV



# My background



From which experience do I speak:

- > Studied Technical Physics and MBA.
- > Worked for FMO, the Dutch DFI.
- > Global M&A and strategy director of a multinational.
- > Non-exec board member of a dozen of companies worldwide, among which:
  - Taatisolar Namibia
  - Lithon Capital
- > Entrepreneur and investor in Namibia.
- > Dutch national but domiciled in Namibia.





# Solstice Management has been involved in:

- > Set-up Taatisolar Namibia in 2017, a provider of off-grid solar home systems.
- > Preparing two reports for RVO / Dutch embassy on the hydrogen agenda in Namibia.
- > Advising Holthausen Energy Points on the finance of 2 x 2,5 MW electrolysers in the Netherlands.

**SOLSTICE**  
MANAGEMENT BV

## About Us

International matchmaking,  
advisory and finance.



# Experience gained from Lithion Capital

In the financial markets of Namibia

## Pros

- > Strong pension funds makes investment capital is available (in principle).
- > Four main commercial banks are well capitalized and managed. Three of them because of links to SA banks.
- > New Investment Bill in process after wide consultation rounds. Critique on ministerial approval procedure, especially at point of exit.

## Cons

- > Only very few Double Tax Avoidance Agreements (DTAA's) agreed and not with the Netherlands or Belgium (yet).
- > All four main banks are very conservative and security driven, which makes it difficult for:
  - Light assets-based industries such as IT, Fintech, games development, creative sector.
  - Start-ups and scale-ups, as they normally exhausted their reserves or personal guarantors already.

# Experience gained from Taatisolar

In the renewable energy markets of Namibia

## Pros

- > 2/3 grid connected. 1/3 off-grid.
- > Excellent natural conditions; sun, wind, hydro power.
- > Improved regulatory framework.
- > Strong domestic demand.

## Cons

- > Still dependencies from Power Pool, especially from South Africa.
- > National grid will also struggle with net congestion, like in Europe.
- > Relatively high WACC makes it difficult to compete internationally in capital intensive sectors, such as hydrogen.

# Experience gained from Soistice

In the advisory markets of Namibia

## Pros

- > Coaching start-up in FinTech App for small ticket investing on the stock exchange.
- > Agri sector is open for innovative / high tech development.
- > Trials in the application of hydrogen in the mobility sector.
- > Strong international networks.

## Cons

- > No experienced start-up risk funds.
- > Strict labor laws favor employees.
- > Succession problem in traditional farming sector. Agri is not sexy.
- > Lack of scale makes certain sectors unattainable.



## RECOMMENDATIONS FROM THE REPORT "GH2 PROPOSITIONS BONDING THE NETHERLANDS and NAMIBIA"

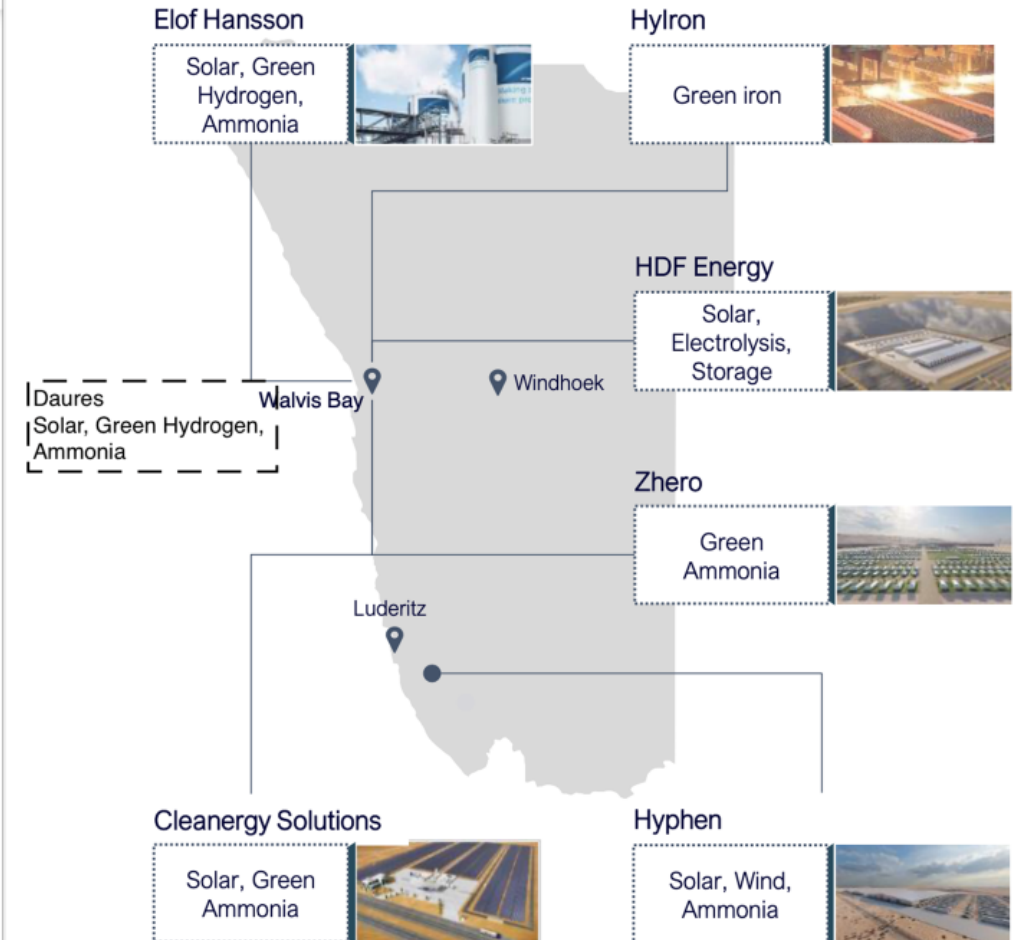
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- 1 Development Luderitz harbor to make it suitable for export of hydrogen or ammonia.
- 2 Arrange off-take agreements and facilitate mitigation of the 'Green Premium' by Contracts for Difference.
- 3 Promote combined offering Dutch manufacturers in GH2 eco-system, facilitate knowledge exchange, matchmaking, financial engineering.
- 4 Decentralized generation of renewable energy combined with production and local storage of GH2 to stimulate localized use of hydrogen and anticipate e-mobility.
- 5 Pilot long haul trucking using hydrogen fuel on selective corridors (to SA?).
- 6 Produce and provide methanol maritime bunker fuel as Maersk c.s. embrace that synthetic fuel.
- 7 Knowledge transfer, Support GH2 Research & Development / field lab / training / certification centers.
- 8 Desalination technology and usage of desalination affluent brine with high salt content incl. 3.7% Magnesium salt  $MgCl_2$  / avoidance of environmental concerns.

# Overview of various GH2 projects in Namibia



Project	Key GH2/Derivative to be produced	Phase of development
Hyphen	Green Hydrogen Green Ammonia	Feasibility
Elof Hansson	Green Hydrogen Green Ammonia	Development/planning phase
HDF	Green Hydrogen	Development/planning phase
Hylron	Green Hydrogen Green Iron	Phase 1/Production in 2024
Zhero	Green Hydrogen Green Ammonia	Development/planning phase
Cleanergy Solutions	Green Hydrogen Green Ammonia	Pilot/Phase 1/Production in 2024
Daures Hydrogen Village	Green Hydrogen Green Ammonia	Pilot/Phase 1/Production in 2024



# CURRENT AND INTERESTED PLAYERS IN NAMIBIA GREEN HYDROGEN



**CLEANERGY  
SOLUTIONS**  
NAMIBIA



DAURES  
GREEN  
HYDROGEN  
VILLAGE



*Elof Hansson*  
Clean Tech



**HDF**  
ENERGY

HYDROGEN POWER COMPANY



HYDROGEN  
ENERGY

**HYPHEN**



**zhero**



H<sub>2</sub> Fe HyIron



**greengo**  
energy



**Kaoko**  
GREEN ENERGY  
SOLUTIONS (PTY) LTD

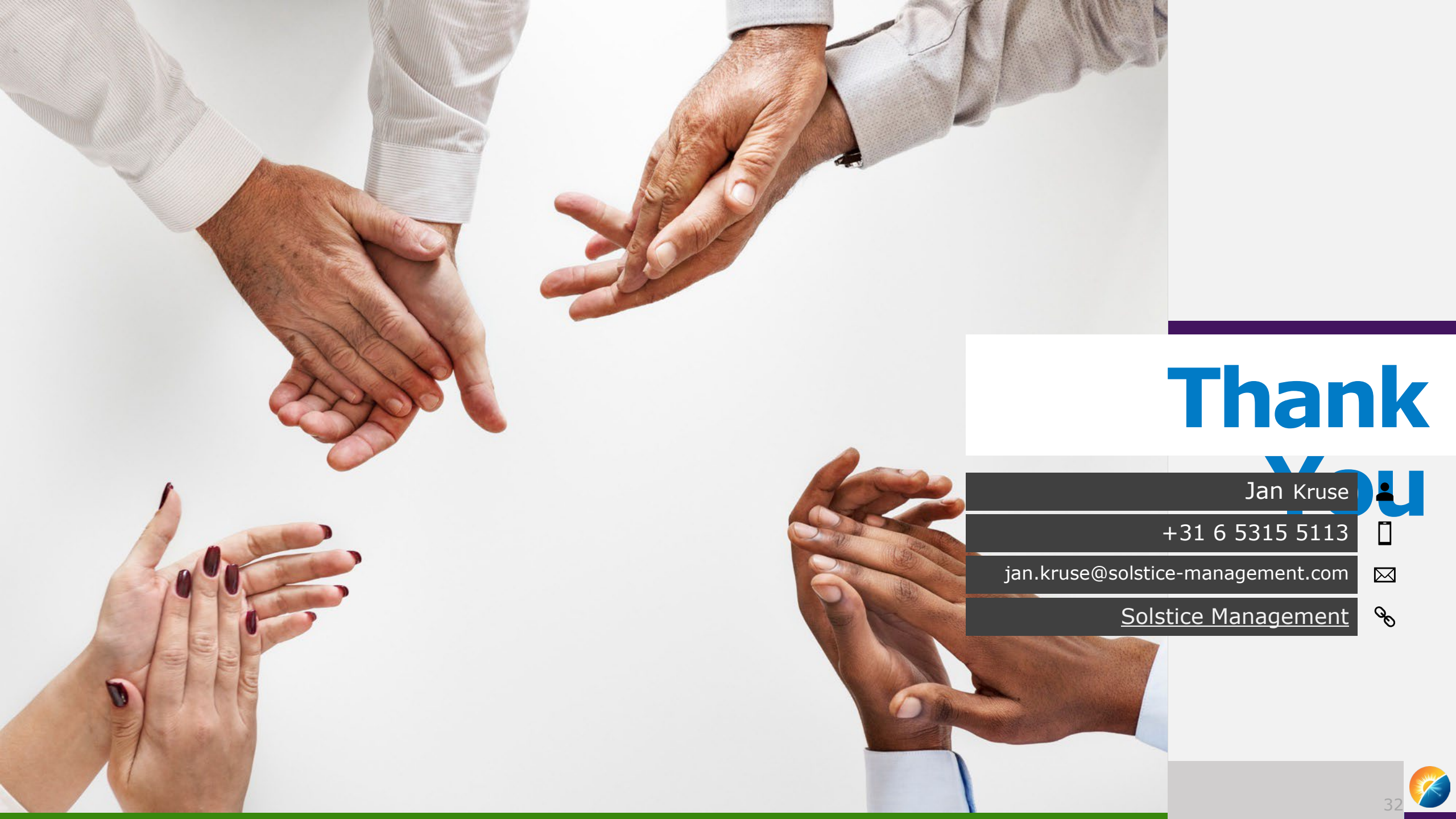
**sasol**



**cwp**   
Renewables


**FORTESCUE  
FUTURE  
INDUSTRIES**






# Thank You

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[Solstice Management](#) 



# Making Lüderitz Town Council Fit for the Future

**Michelle van Raalte**

*Project Manager*

VNG International



# Making Lüderitz Town Council Fit for the Future

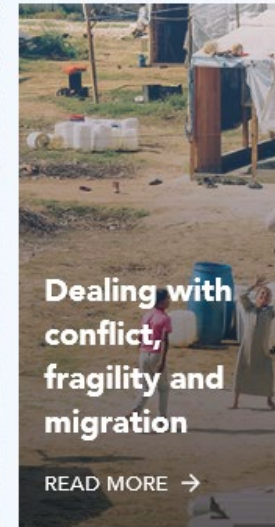
Namibia Green Hydrogen  
Network event

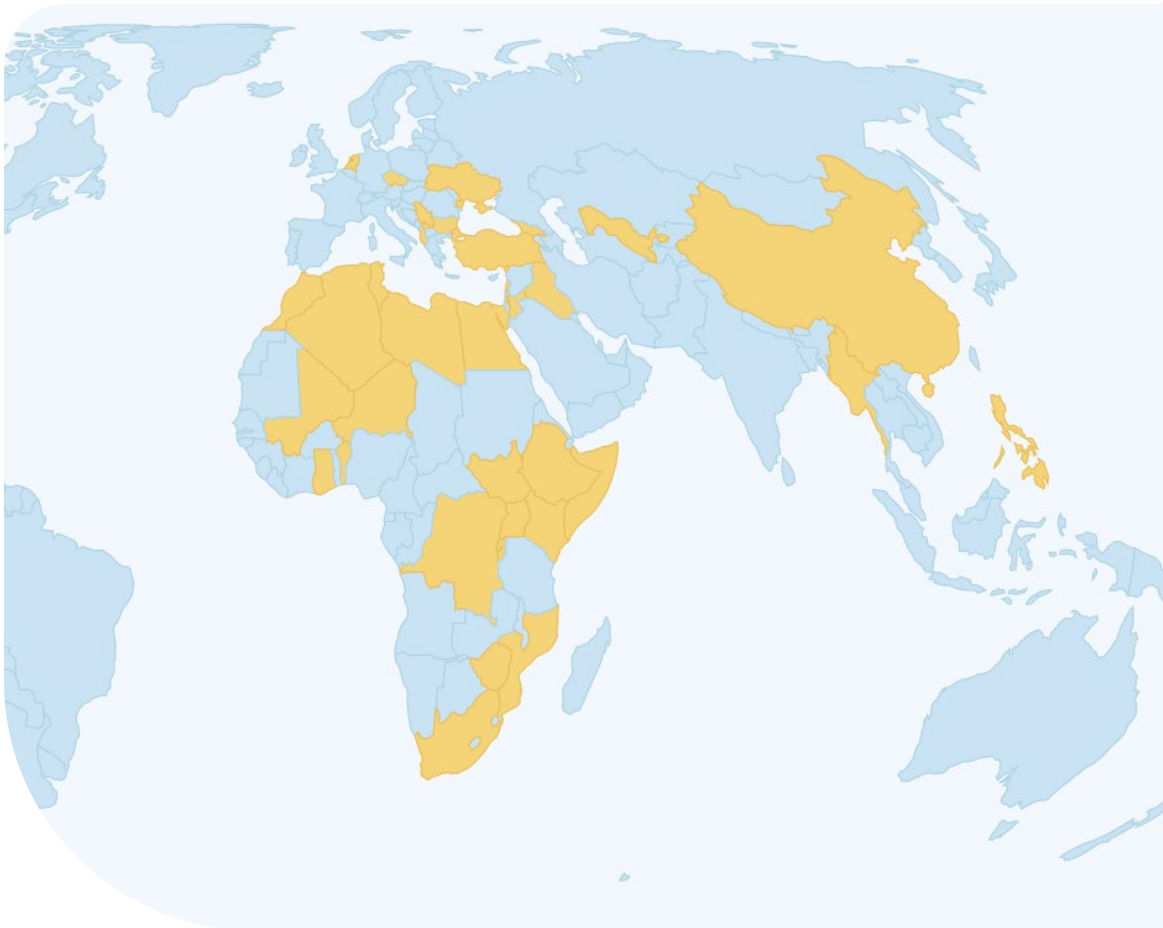
24 April 2026

# VNG International

**Rooted in Local Governance: Association of Netherlands Municipalities (VNG)**

***Building Better Futures by Strengthening Local Governance***





**We are the international  
cooperation agency of the  
Association of Netherlands  
Municipalities,**

**-- working in over 40  
countries on local  
governance.**

## VNG International: Enabling local conditions for investment

- We contribute to sustainability by:
  - Strengthening local governments' capacities to manage rapid economic growth
  - Support local governments to generate own source revenue
- We contribute to the 360-approach of the Global Gateway by working at the intersection of infrastructure, governance, and service delivery
- In Namibia: supporting Lüderitz to absorb (green hydrogen) investments

## Lüderitz - Namibia

Lüderitz is undergoing a major transformation driven by **large-scale investments** in green hydrogen, oil and gas, port expansion, mining exports, and tourism.

While these developments present significant economic opportunities, they also place substantial pressure on municipal infrastructure, service delivery systems, and governance capacity.



# Making Lüderitz Town Council Fit for the Future

- Funded by the EU Delegation in Namibia, co-financed by the Dutch Ministry of Foreign Affairs
- 30 months intervention
- Led by VNG in partnership with Lüderitz Town Council (LTC)
- Embedded in local structures
  
- LTC from reactive service provider to proactive and strategic local authority partner

Our role in this ecosystem is not to develop hydrogen projects, but to ensure the **municipal system around those projects actually works.**

# From challenges to solutions

Without municipal support, hydrogen investments **risk delays** due to water, waste, and other capacity constraints

- Significant infrastructure and service delivery gap  
→ Strengthen the Water, Sanitation and Solid Waste sector
- Foreseen challenge of big infrastructural developments needed  
→ Strengthen the project pipelining & funding process
- Limited resources to close the service delivery gap  
→ Strengthen the mobilization of own source revenue

# How we work towards change

**Output 1** = Operational readiness through institutional strengthening (WSWM Unit)

**Output 2** = Bankable pipeline infrastructure through project sequencing, prioritization and measuring feasibility (with citizens)

**Output 3** = Financial sustainability of municipal services through (digital) revenue mobilization

- *For LTC to manage urban expansion linked to renewable hydrogen value chains and port infrastructure investments*
- *For citizens in Lüderitz to enjoy a higher quality of life and economic opportunities*

- Project pipeline for investments in infrastructure can be supported by the Dutch private sector
- Investment in infrastructure and investment in local government systems must go hand in hand.

That alignment is exactly what we are building.





Thank you!

Michelle van Raalte  
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Karim Boussak  
[Karim.Boussak@VNG.nl](mailto:Karim.Boussak@VNG.nl)



Rijksdienst voor Ondernemend  
Nederland

Thank you

For more details, please reach out  
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