



# Green Hydrogen

Harambee Prosperity Plan | Pillar 2 | James Mnyupe

## Namibia - EU Collaboration

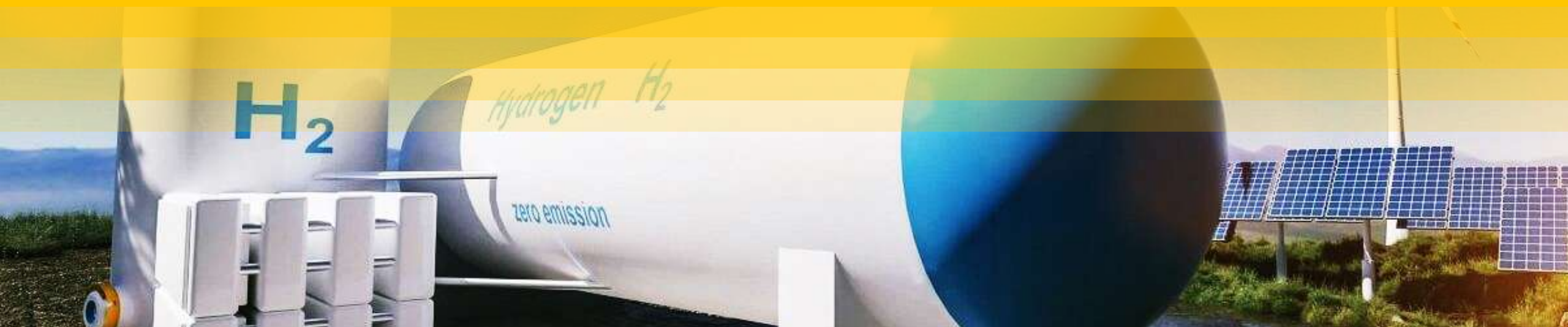


**HARAMBEE PROSPERITY PLAN**

2021 - 2025

# Why Green Hydrogen ?

Brussels





# SCDI Vision

Development of the Southern Corridor Development Initiative



## Sep 2020 UNGA75

H.E. The President of Namibia  
Launched the Harambee  
Prosperity Plan II



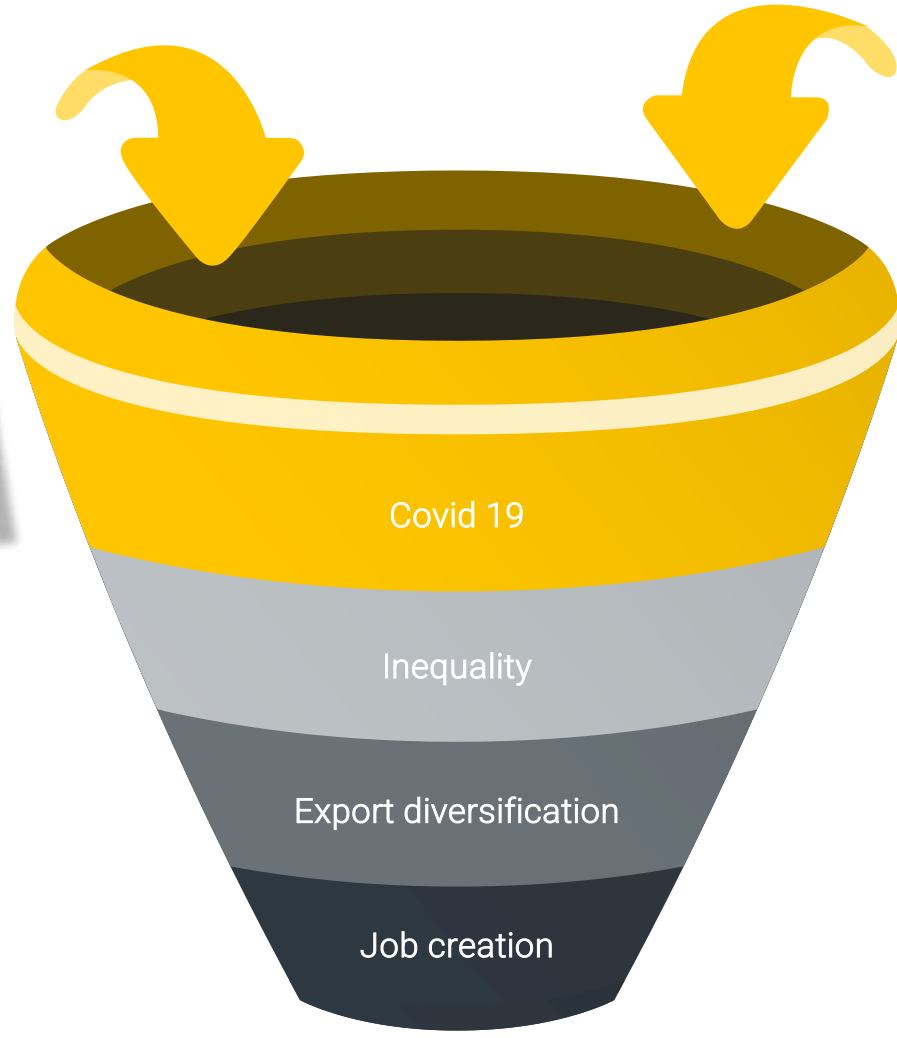
We support debt for climate swaps





### National Aspirations

- Harambee Prosperity Plan 2
- Vision 2030
- SWAPO Manifesto
- National Development Plans



### Harvard Growth Lab

- Growth trajectory
- reliance on mineral resource wealth,
- low productivity outside the mining sector
- difficulties in diversifying

### Economic Recovery Plan

Goal 3 : Complimentary engines of growth



# SCDI Overview

Overview of the SCDI

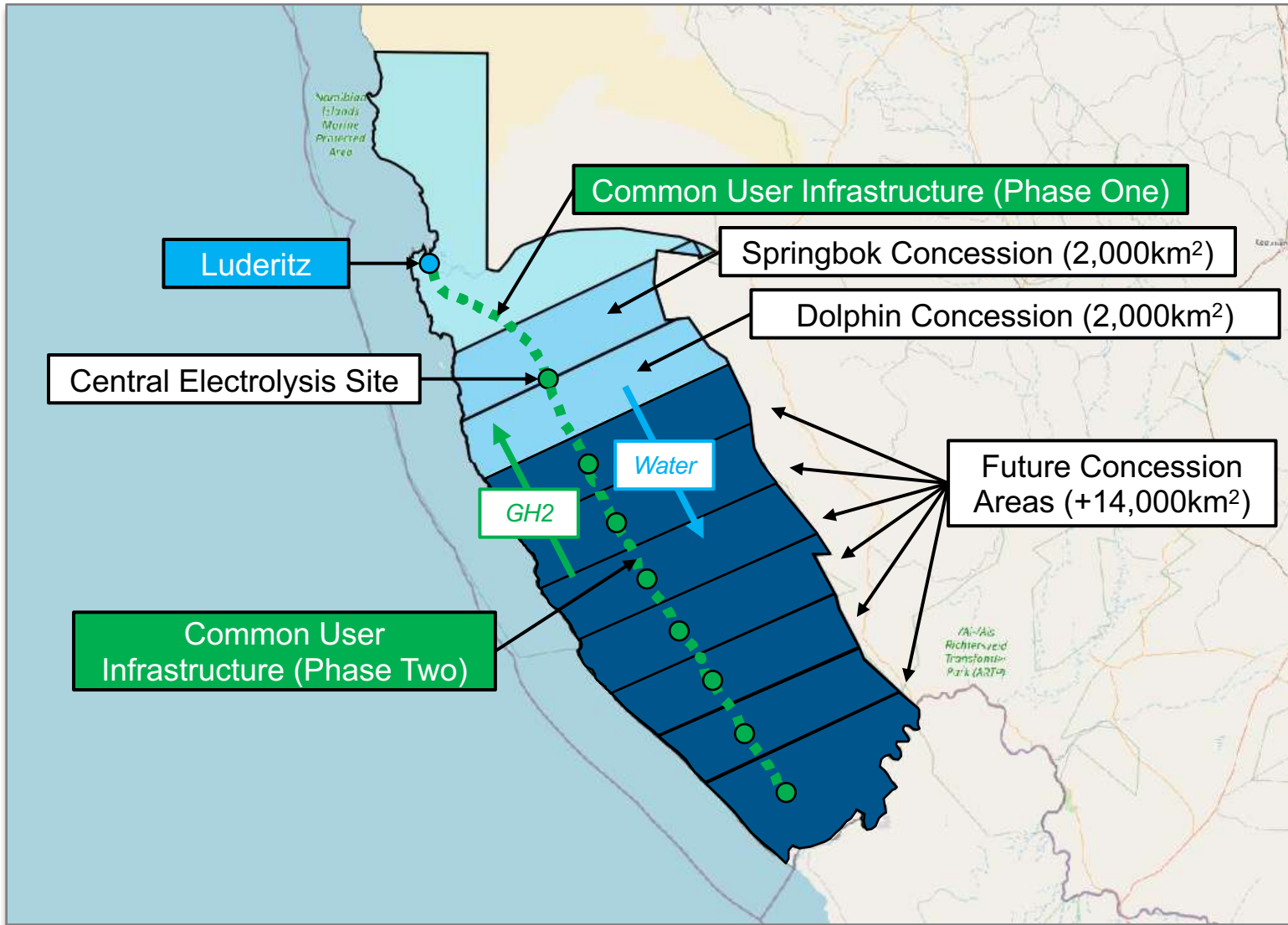
## Legend

-  Special Economic Zone
-  H Global Ihan/awab conservancy (CSP)
-  Nam GH<sub>2</sub> site
-  Dolphine Site
-  Springbok Site
-  Railway





# Namibia's first GH2 mega-project will unlock 'CUI' for future projects



## Common User Infrastructure ("CUI") Corridor



Green Hydrogen Gas Pipelines

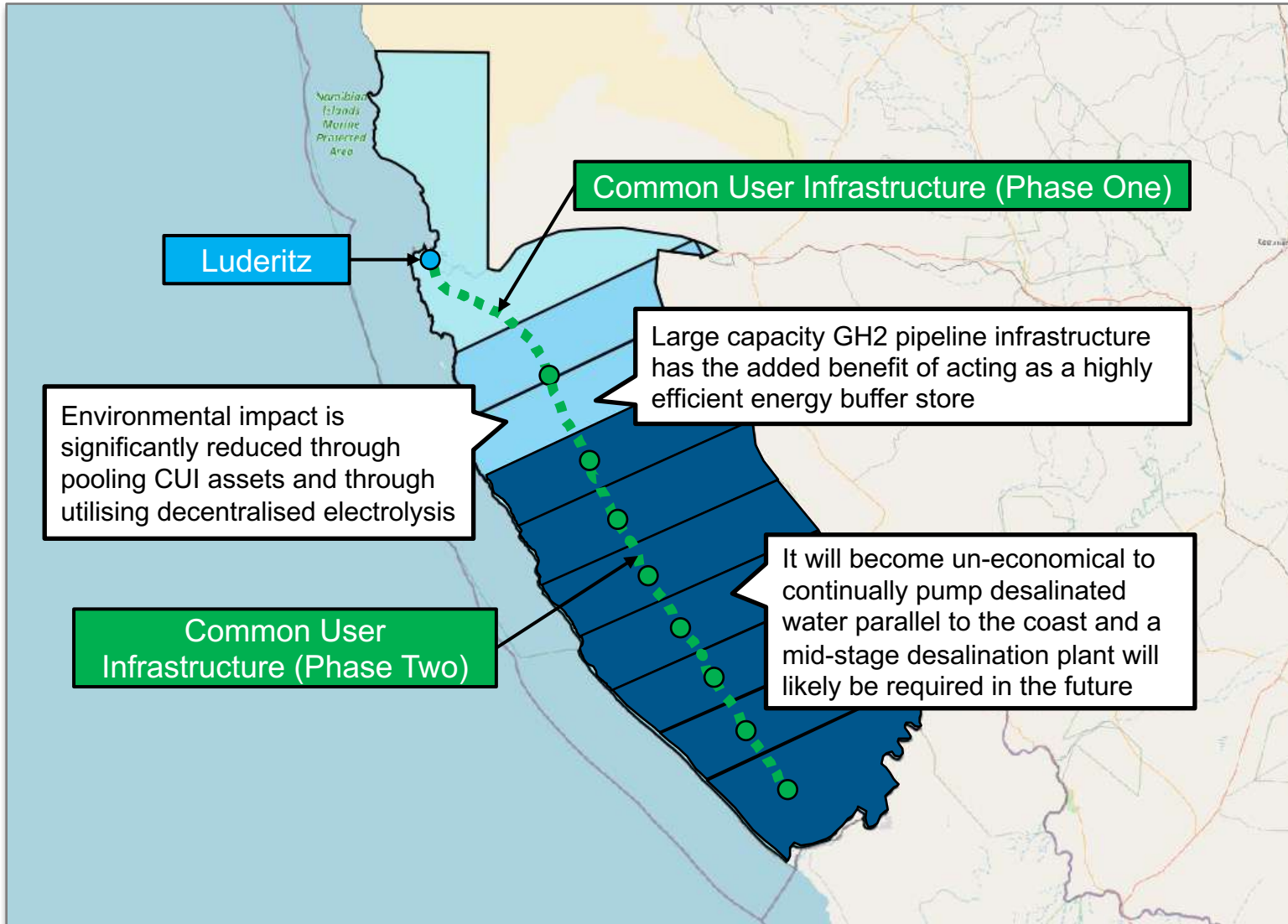


Water Pipelines



Transmission Lines

# Namibia's first GH2 mega-project will unlock 'CUI' for future projects



## SCDI Common User Infrastructure ("CUI") Approximate Cost

### **Green Hydrogen Gas Pipeline**

Length: ~400km  
Diameter: 1,400mm  
Peak flow: 3m GH2 tons p.a.  
Cost: EUR 3,500m

### **Water Pipeline**

Length: ~400km  
Diameter: 1,200mm  
Peak flow: 200 ML p.d.  
Cost: EUR 1,200m

### **Transmission Lines**

Length: ~400km  
Size: 2x 400kv  
Cost: EUR 600m

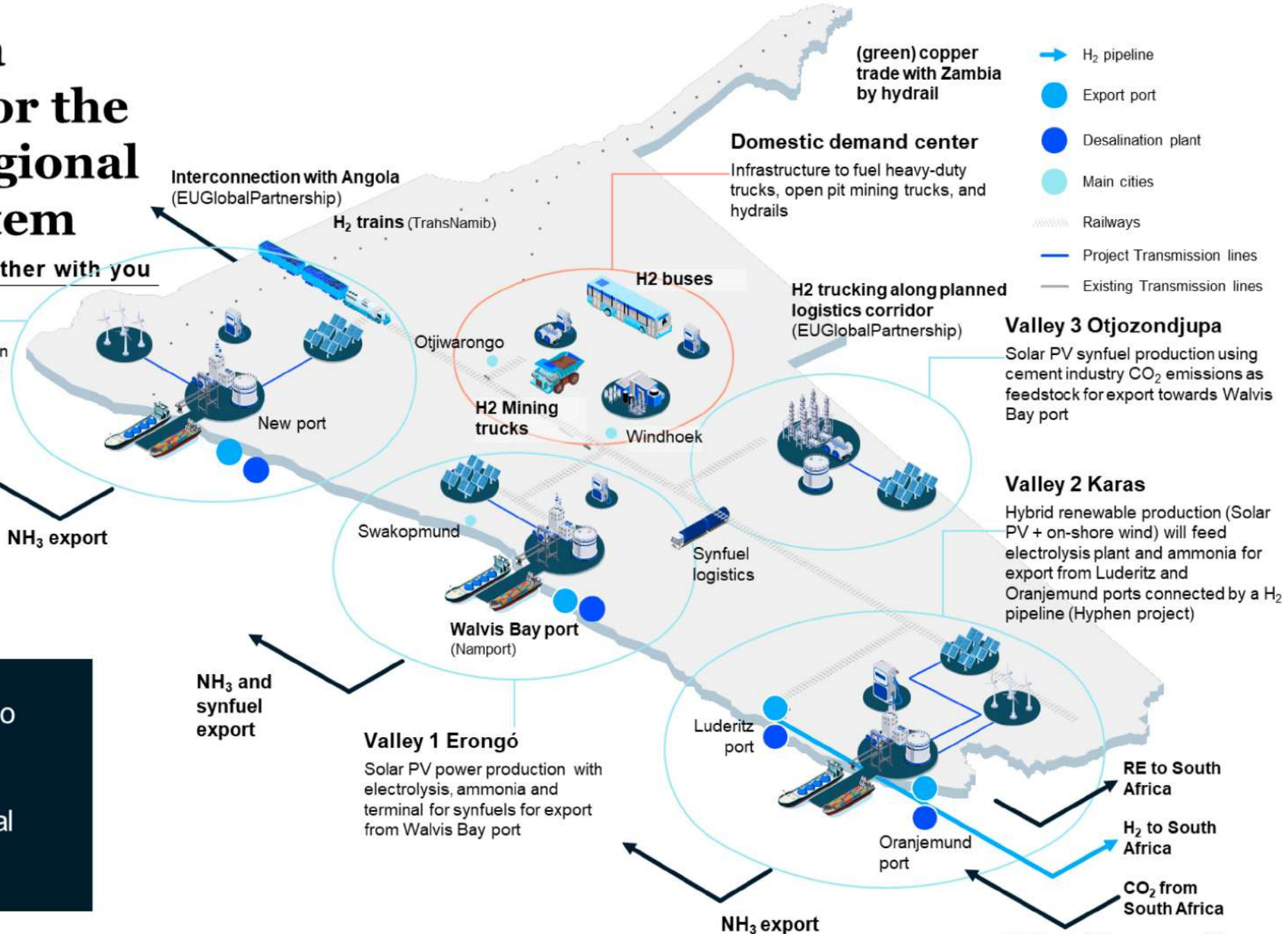


# We will develop a granular vision for the Namibian and regional hydrogen ecosystem

Initial thinking - to be developed further with you

## Valley 4 Kunene

Hybrid renewable production (Solar PV + on-shore Wind) will feed electrolysis plant and ammonia production near the new port facility



We will build on existing plans to further refine and detail out the concept for ecosystem clusters within Namibia, reflecting natural synergies and existing assets



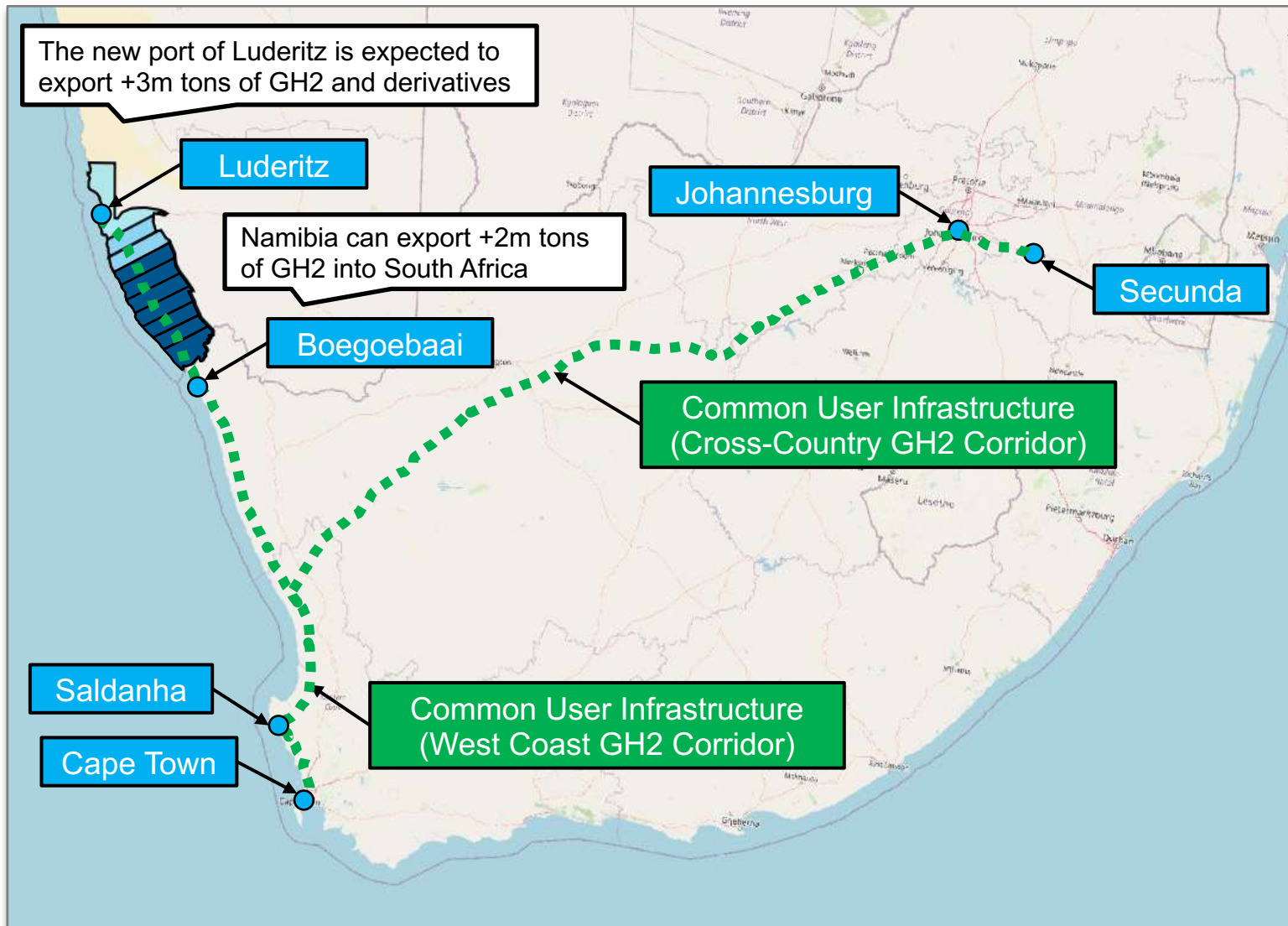
## MAIN STORY

### **Namibia, South Africa in Green Hydrogen partnership talks**



**N**amibia and South Africa are exploring the possibility of a partnership in the development of green hydrogen initiatives, including the joint development of a

**The partnership between Namibia and South Africa is a significant step in the development of green hydrogen in Africa, as the two countries have the potential to become major players in the industry. With investment and collaboration, the green hydrogen industry in Africa has the potential to bring about economic growth and address energy emergencies.**



## Regional Common User Infrastructure ("CUI")



Green Hydrogen Gas Pipelines



Transmission Lines

*Namibia has the aspiration to fully unlock the world class GH<sub>2</sub> potential of the SCDI National Park. The country will be able to export green molecules and excess electricity into South Africa via CUI corridors*



## Regional integration enables scalability & cost effective African GH2



# EU eyes Namibia's rare metals



# Funding the SCDI

Namibia is implementing a holistic approach for strengthening financing policies and institutions

## ★ Central Security Deposit

The Government is at advanced stages of developing a central securities depository to support the clearing of bonds

## ★ SDG Namibia One Fund

The Namibian Government is launching a \$ 1 billion blended financing infrastructure fund

## ★ Sustainability Bond

Funding of the SCDI using various bonds : Sustainable, Green and Social Bonds – secured €500 million from EIB

## ★ Multi -Listing

The proposed bond will be listed in various strategic markets in 2023/4





# Green

# Opportunities



Visit [www.gh2namibia.com](http://www.gh2namibia.com)



**€ 30 million**

Namibian Green Hydrogen and PtX Pilot Projects Programme



**€ 5 million**

Terms of reference  
Preparation of a Synthetic Fuels Strategy and Roadmap for Namibia



**Min 200 Scholarships**

Namibian Youth For Green Hydrogen (Y4GH2) Scholarship Programme



# Thank you.

2022 | NIEC



For more info

[www.hppii.gov.na](http://www.hppii.gov.na)

