

The Global Environmental & Energy Transition

Challenges & Opportunities for Pension Fund Investment



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**The GIPF subscribes to the United Nation
Development Programme of responsible
Investment (1000th signatory)**



ESG INTEGRATION INTO GIPF POLICY



GIPF investments are guided by the Investment Policy anchored on liability driven and asset matching with return expectations of 5% above inflation.

GIPF DEVELOPMENT INVESTMENT POLICY



Impact Investing

Positive social and environmental impact alongside a financial return



Developmental Investment

The GIPF has committed 5% of its AuM towards developmental investments (R7.45 Billion)



Financial Inclusion

Targeting the unbanked to have access to financial services and funding

AN ENERGY SECURE FUTURE



WHY

The Energy Sector is Rapidly Changing

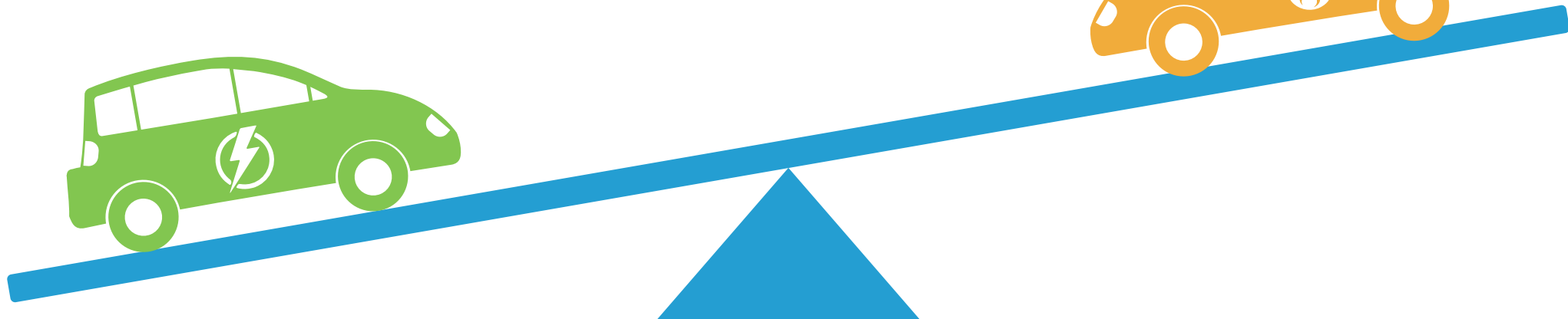
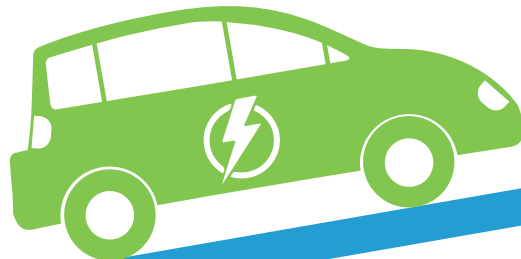
Growing Population with reduced use of carbon

WHAT

Decentralization of Energy

Consumers in the Drivers seat

Reduction in the cost of renewables



THREE IMPORTANT CONSIDERATIONS FOR AN ENERGY SECURE FUTURE



01

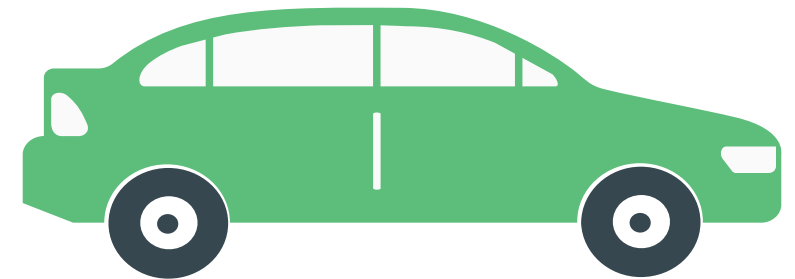
Improving energy system resilience through further diversification of supply sources

02

Meeting the COP26 commitments

03

Bringing people on board with reforms and creating an inclusive, affordable energy system for all



CHALLENGES GIPF FACES

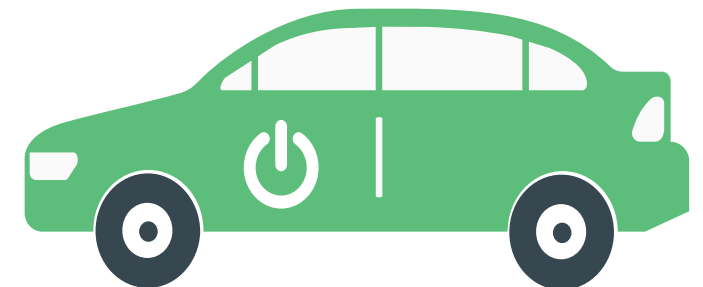


He who owns (Renewable Energy) Data is King

- You Data on the various renewable energy technical risks and opportunities are relatively scares in Namibia and Africa at large.
- Availability of data should be consolidated with current market needs, investors and institutional policy makers.
- There is a drive for quality, scientific data to be available, and of course , this can only be true from
- “Pilot project Investments” which GIPF have invested in. But do we have the luxury of time?

Institutional investors and Policy Makers

- Investors invest in areas where National Policy Frameworks are current, unambiguous and practical.
- GIPF plays a huge role in the Namibian economy to be active contributors of National agendas, such as the green agenda.



The current investments in Renewable Energy on a global level has sparked investments in the entire value chain of Power distribution, from Research, Education, Proof of Concepts/Pilot Projects, Engineering, Supply Chains/Logistics, Financing Innovation, Energy Storage, regulatory reform and public policy.

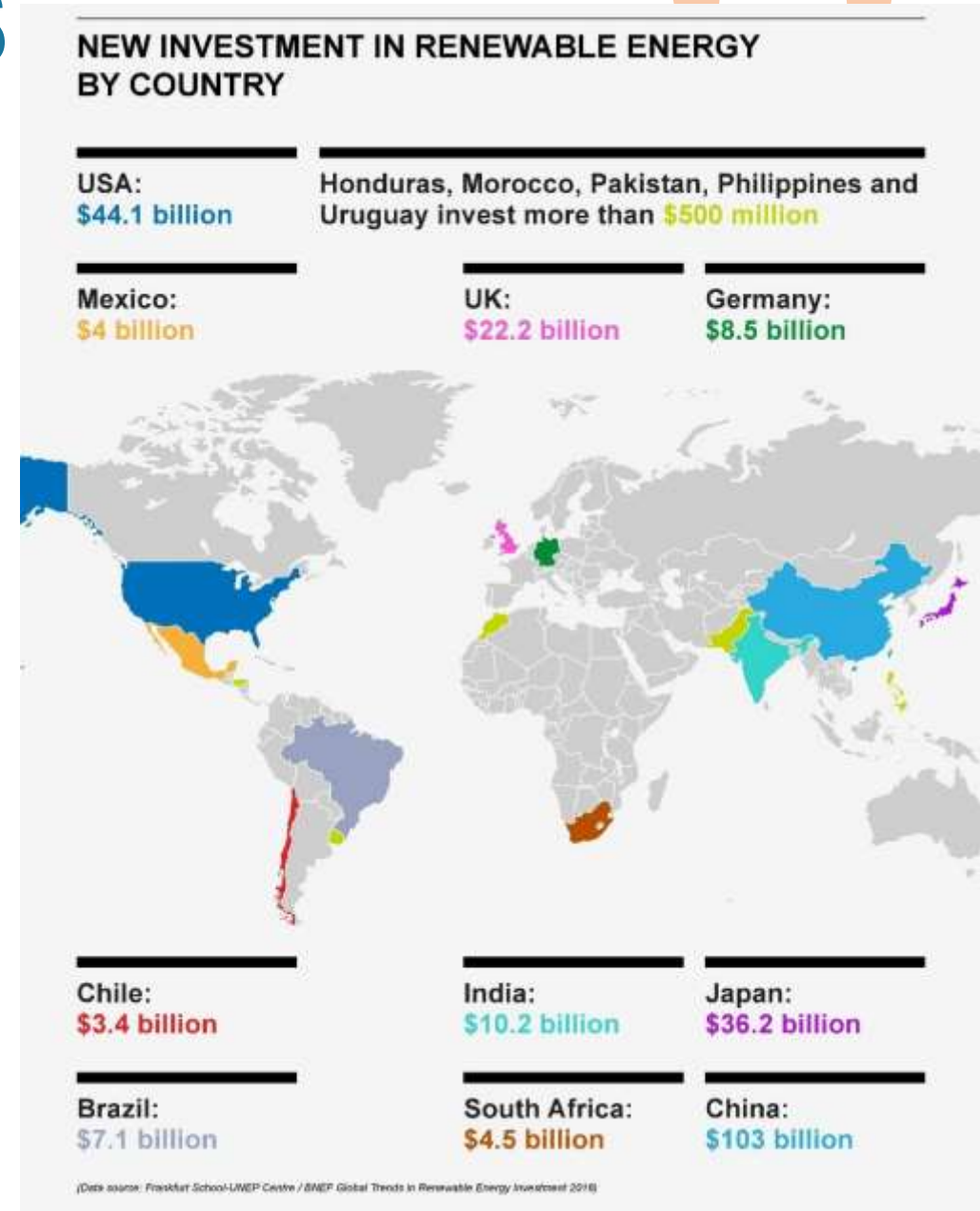
The Opportunities for Namibia Lies in;

- Green Hydrogen
- Power storage utilities
- Larger scale Solar & Wind energy



This is supported by;

- Spearheaded from the Namibian Presidents Office
- Strong Policies and Frameworks and Institutions to support Green Initiatives (EIF, HPP II, ECB, solid Environmental Legislations)

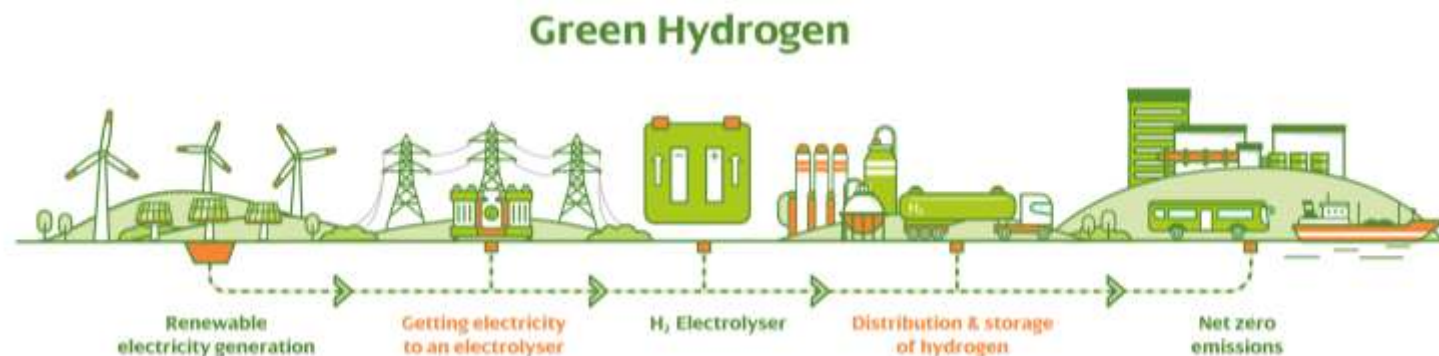


AFRICA's GREEN HYDROGEN HUB

“We are taking these bold steps to enhance our energy security, decarbonise our country, assist our regional and global peers to reduce their emissions, and build a more resilient economy”

President Hage Geingob, COP26.

- Unlocking of over 5 700 square kilometres in the //Kharas region for the development of green hydro and ammonia asset projects.
- The development of the projects are part of an economy-wide 'prosperity' initiative which will add value to the education, logistics, Engineering and Power sectors.
- The initiative is expected to triple the installed renewable energy generation capacity of the entire country.



GIPF's RENEWABLE ENERGY PROJECTS

Fund	Investment	Location	Type	Units (MW)
Mergence Namibia	Ejuva Two - Solar Power Plant - Equity	Gobabis	Solar	10
Mergence Namibia	MTJ Investments (Pty) Ltd "MSO"	Keetmanshoop	Solar	5
Old Mutual Investments Group Namibia	Hungaleni Two Investments	Otavi	Solar	5
Old Mutual Investments Group Namibia	Aloe Investments 27 Pty Ltd	Rosh Pinah	Solar	5
Ashburton - Pointbreak	Tandii Investment (Pty) Ltd & NCF	Okatope	Solar	5
Ashburton - Pointbreak	NCF Energy (Pty) Ltd	Okatope	Solar	5
Tulive Capital	Hopsol Power Generation	Windhoek	Solar	10
Tulive Capital	Omburu Solar Plant	Omaruru	Solar	20
Ino Harith Capital	Black Diamond Investment - Ombepo	Luderitz	Wind	5
Ino Harith Capital	Black Diamond Investment - Osona	Osona	Solar	5
Ino Harith Capital	Black Diamond Investment - Omburu	Omburu	Solar	5
Ino Harith Capital	Black Diamond Investment - Oseepkans	Oseepkans	Solar	5
Anirep - Listed	Anirep Solar (Pty) Ltd	Otjiwarongo & Grootfontein	Solar	10.75
			TOTAL	95.75

GIPF's PIPELINE - ENERGY PROJECTS

Fund Manager	Project	Approx project Draw Down	Units
EOS Capital	Innovative water & energy climate tech solution that can produce potable water, heated sanitation water and solar power	R 200 million	
	Project Breeze	R 100 million	50MW
	Project pure	R 200million	
Tulive Capital	Development of a Biomass plant, in partnership with Nampower (as Shareholder and Offtaker)		5MW
Tulive Capital	Diaz Wind Energy	R 175 million	5MW

IN CLOSING

THE FUTURE OF ENERGY BY 2030

“ We must believe that we can have a sector that delivers much higher access to energy than today, with greater use of renewables, incentivizing innovation and creating economic growth while reducing our impact on the planet ”

DAVID NUYOMA, 2022





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Thank you

