



www.tswinasolutions.co.za

COMPANY LEGAL STATUS

Incorporation Information

Established: 2012
Registered No: 2012/020000/07
Trading Name: Tswina Solutions (PTY) Ltd
Vat No : 4410260253
BEEE Status: Level 1
Ownership: Directors

Main Business Areas:

Asset Light project to project based business model.
Renewable Energy Project Initiator, Developer and Project Co-Funding.



FOCUS AND APPROACH

PREAMBLE

Tswina Solutions is project-to-project organization that was founded in 2012 with the aim of providing green energy solutions in Africa and beyond. Since then, we have grown to become a leading provider of project co-funding and development, an asset-light business model, and green ammonia, hydrogen, and methanol technologies. Our strategic objectives are:

- **To expand our strong project pipeline of green ammonia, hydrogen and methanol production and entire e-fuels distribution.**
- **To strengthen our project co-funding and development capabilities.**
- **To optimize our asset-light business model.**
- **To invest in our people and capabilities.**

OUR COMPANY: PURPOSE AND DIRECTION

Vision Statement

Just do it right, the simple way, the best way always.

Mission Statement

To bring cheaper, clean and reliable green energy.

INTERGRATED VERTICALS

Agnostic approach as each project is unique.

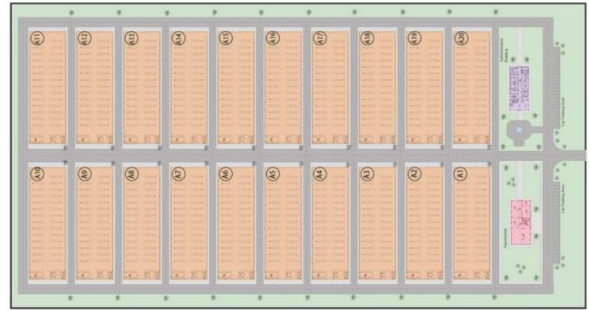
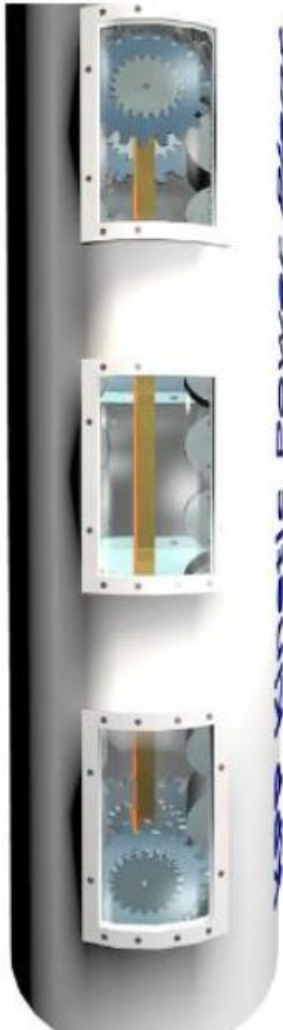
1. Independent Power Producer (IPP),
2. Original Developer and Initiator,
3. Strategic partnerships,
4. PPA's and Project Finance Modeling,
5. ESS,
6. Green Energy Co-Project Funding.

ENERGY GENERATION, TRANSMISSION, DISTRIBUTION

COMMERCIAL, INDUSTRIAL AND AGRICULTURAL SYSTEMS.

- Green Ammonia / Hydrogen Production,
- Hybrid Systems
- Off Grid Systems,
- Islanders Systems,
- Microgrid Systems.

OUR STRATEGIC PARTNERS/ EXCLUSIVE AGENT/DISTRIBUTOR SADC - BRICS



SITE PLAN

ENERGY GAINED	
ENERGY RECEIVED FOR EACH BUILDING:	14 MEGAWATT
14 MEGAWATT X 20 UNIT:	280 MEGAWATT
ONE SQUARE METER OF EACH BUILDING :	2,261 M2
2,261 M2 X 20 UNIT :	45,220 M2
TRANSFORMER BUILDING AREA :	1,150 M2
ADMINISTRATIVE BUILDING AREA :	1,150 M2

The KPP power has no running cost, it depends on kinetic energy which converted to electricity with continuous cycle depends on compressed air by air compressor.

- Clean power**
 No inputs (fuel, water, wind, sun...) or emissions (CO2, NOx, SOx...)
- Continuous power**
 Independent of weather conditions, with built-in redundancy to ensure 100% nameplate availability
- Decentralized power**
 Site it where you need it, including off-grid
- Scalable power**
 The capacity you need, totally dispatchable, with scope for expansion whenever you need it
- Limited footprint**
 300 m2/MW, compared to 28,000 m2/MW for PV solar and 3,000 m2/MW for wind
- Competitive power**
 At 25 €/MWh on a levelized cost basis (plant LCOE) with additional benefits in terms of grid balancing and reduced transmission costs



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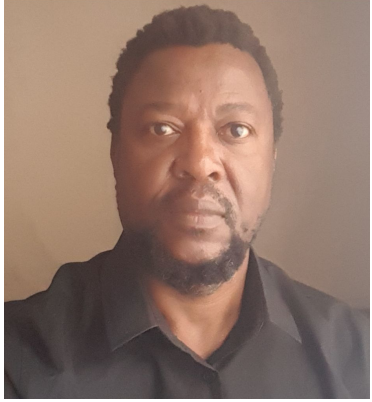


The Battery that Stores Energy and Processes Simultaneously

The Salgenx saltwater flow battery is unique, in that it can not only store electricity, but perform simultaneous processing functions.

- Store grid-scale power
- Store thermal energy (including cogeneration)
- Desalinate seawater
- Make exfoliated graphene
- Perform selectable revenue processes according to highest revenue on-demand (AI tunable logic)

LEADERSHIP, MANAGEMENT AND TEAM



President and Founder | [Image LinkedIn](#)

Dr. Terrance Simon Mbongeni MPOFU,

Qualifications+ Experience:

Cert. H2Uppp Green Hydrogen and Power-to-X Project Developer

Dip. Project Management,

Dip. Technologies for Clean and Renewable Energy Production,

Cert. Finance for Energy Projects,

Dip. International Finance,

Advanced Dip. Legal Studies and Business,

Cert. Solar PV Projects Management.

+30 years as an entrepreneur.

Dr.| Metaphysicist

Non-Circular Qualifications:

Msc.D., Msc.M., B.Msc., Msc.Dip.

Marketing Manager

Excellent Ngwenya

7 years experience

Financial Consultant

Mr. Daniel N. Robin

More than 15 years MW
project funding.

ADDRESS AND CONTACTS

OFFICE

125 Zastron Street,
Wesdene
Bloemfontein, 9301
SOUTH AFRICA

CONTACT PERSONS

Dr. Terrance MPOFU
Email: tswinasol@gmail.com

GENERAL ENQUIRIES

Email. info@tswinasolutions.co.za
www.tswinasolutions.co.za