



i-G3N

COMPANY PROFILE

COMPANY OVERVIEW



IG3N's philosophy is rooted in first principals and our product offerings consist of core battery models and expansion series models which will allow the business to be highly competitive in both the residential/self-consumption and industrial space.

IG3N (Pty) Ltd, (pronounced "i Gen") is a Lithium battery storage specialist focused on developing the technology and bringing world-class solutions to the market. It was incorporated in Dec 2018

Core to IG3N's technology is the use of LiFePO₄ cells which have proven to be the most mature and safest chemistry. It is IG3N's belief that increased supply will result in greatly reduced prices, with the up scaling of Giga factories. One of their key focus areas will be on exporting to SADC region and the rest of Africa, as extraordinary opportunities exist on the continent.

The I-G3N is at its core a technology focused company and has strong partnerships with hardware and software partners who add to the core competency of the business as technology solutions provider experts.

In a short space of time iG3N has grown into the 4th largest manufacturer in this sector. It is uniquely positioned inside the market and through its strong skillset develop solutions for the market from within. Whilst being customer focused, through ingenuity we harness the latest technologies.

The company is 66% Black owned. Integrity, Ingenuity and Inclusive principals form our mission structure.

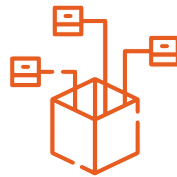
GROWTH



i-G3N has seen a 78% average growth month to month since October 2019

3% ORGANIC MARKET
PENETRATION

3% organic market penetration in within the first financial year



Product distribution secured in 3 markets within the first financial year

HOW YOU SHOULD SEE US



PEOPLE

We are a technology catalyst that provides clean, reliable and cost-effective power storage solutions to the African continent by enabling innovative products through continuous development.



INNOVATION

At the core of our business is that we place great emphasis on researching the latest best practice methods and innovative solutions available in the industry.



PLANET

We want to become a thought leader in creating sustainable energy solutions that will lower the continent's carbon emissions and by extension the effects climate change on social security and human survival, whilst improving people's day to day quality of life.

MARKETS



2020 MARKET PENETRATION



2021 MARKET PENETRATION



MARKETS FOR OUR TECHNOLOGY

- Residential off grid systems
- Residential Backup Systems
- Telecommunications and Ups based systems
- Electric Mobility Batteries
- Micro Grids

CORE BUSINESS ACTIVITIES



BATTERY ASSEMBLY



BMS DEVELOPMENT



SYSTEM INTEGRATION



**DESIGN & DEVELOPMENT
FOR CONTRACT MANUFACTURING**

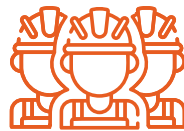
PRODUCTION CAPACITY



2020

8 Staff and 3 Outsourced staff
Functions: Production, admin and sales

Production Capacity
9600 kWh per year



2021

15 Staff and 2 Outsourced staff
Functions: Production, admin and sales

Production Capacity
18 000 kWh per year



2022

17 Staff and 2 Outsourced staff
Functions: Production, admin and sales

Production Capacity
18 000 kWh per year

PRODUCTIVITY STREAMS



SHORT TERM

Establishing local market presence.

Building the product offering out as market needs dictate.

Develop integrations with leading peripherals in market.

Growing the EMUS product function offering

Identify needs in market and develop solutions.

Local BMS technology stack POC – much improved value proposition

MEDIUM TERM

Grow production capability by factor x5.

Export to more countries in Africa.

Ongoing support for unit's infield

Launch locally developed and produced ESS technology stack

LONG TERM

Export to outside the African continent.

Cloud based data and site management based on own BMS technology

PRODUCTIVITY STREAMS



BATTERY SALES

Regional manufacturing and the sales of Nano 750, Z-Range, e-Wall, e-Stack and X-Range



EMUS BMS DISTRIBUTORS

Support and sales of EMUS product range
Zhongrui co-developed. Low voltage and high voltage



IG3N BMS DISTRIBUTORS

Support and sales of IG3N product range



(ODM) CUSTOM BATTERY DEVELOPMENT AND BMS DEVELOPMENT

Support and sales of IG3N product range



PRODUCT OFFERING

- Suitable as replacement in lead-acid based systems
- Suitable for most inverter-based systems with full monitoring & CAN Bus capabilities
- Suitable for UPS and self-consumption systems
- Scalable and caters for future requirements through installing parallel units

- Wide temperature operational range
- 4000-6000 cycles at 80% DOD
- OTA Configuration capability
- Built-in Battery protection
- CAN Bus enabled
- On-board diagnostics via Bluetooth

INTEGRATIONS

iG3N can provide full CAN Bus control of the subset



PRODUCT OFFERING



NANO 750

The Nano 750 is a safe, reliable, and environmentally friendly, small portable power bank. The Nano 750 can provide you with green energy for load shedding, camping, business, and home activities.



Z-RANGE

The Z-Range is a rack mounted battery ideal for telecoms, server rooms and business use. It adopts advanced design such as high-efficiency conversion topology, intelligent charge, and discharge control, automatic battery balance, real-time sampling of the main status. Small size, long life, stable and reliable performance.



i-WALL

The wall-mounted design supports multiple layout options without compromising floor space. The battery has a control box separate from the storage unit and allows for additional storage capacity which can be added. Small size, long life, stable and reliable performance.

PRODUCT OFFERING



i-STACK

The i-Stack (floor standing & stackable) has been designed to represent the next generation of smart home and business lithium-iron phosphate batteries. It comes standard with built-in intelligence and stable discharge performance that enables the provision of power to your home/business for extended periods of time. Small size, long life, stable and reliable performance.



X-RANGE

The X-Range is designed for commercial and industrial applications. Floor standing & stackable layers of 21.5 kWh. The battery has a control box which houses all the control electronics. The unit feature an external SOC and in-depth diagnostics are available via CAN bus and the Bluetooth application. Small footprint, long life, stable and reliable performance.

INSTALLATIONS



PARTNERS & ASSOCIATIONS



ACHIEVEMENTS



2019 Nedbank small business excellence award

2020 Standard ESD Growth capital funding

2021 Secha Capital Growth capital equity funding

2022 Edge Growth Growth capital equity funding