

POTENSA - LEADERS IN CUSTOMISED ENERGY SOLUTIONS

Established in 2003.
Offering 65 years of combined expertise in
creating customised energy solutions.



Potensa
CUSTOM ENERGY SOLUTIONS



POTENSA - FINDING SOLUTIONS TO ENERGY NEEDS



Potensa focusses on custom battery pack design, battery pack assembly and advisory services, which create specialised products and solutions to a broad range of customers across Africa, the Middle East and Europe.



Our team is highly skilled in energy advisory and aligned services, working closely with our customers to find a solution that is tailor-made to suit their unique and specific requirements.



Our expertise extends to all major chemical systems, including Alkaline Cells, Lithium primary cells, AGM, SLA, Ni-Cd, Ni-MH, Li-Ion, LiFePO₄, with products exported throughout the globe.



Our tailored energy efficiency solutions can be utilised in any type of facility or application.



Our success lies in the combination of outstanding products with an accomplished expert engineering team, supported by an exceptional operational team.



**Built to
customised
needs**



**Built with quality
and safety as the
foundation**



CUSTOMISED ENERGY SOLUTIONS

Once Potensa has established the fundamental application requirements that the battery pack needs, we can modify and adjust specifications to individual needs.

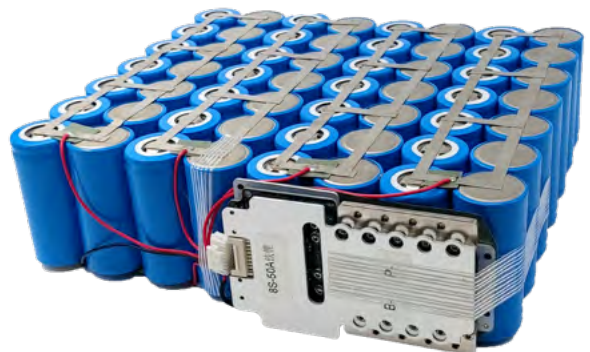
Because we custom design battery packs, we can specifically design the BMS application by adapting and adjusting components. As a result, customers can manage functionality, identification, balanced charge cycles and measuring performance. Potensa's tailored energy efficiency solutions can be utilised in any type of facility or application.

Our custom-made battery packs are built to precise specifications using the best available designed and developed battery products. The options are unlimited for both commercial and industrial applications.

There are several different options available when considering energy solutions for business or application needs.

Potensa crafts a proposal that produces solutions to a customer's problem. This is achieved by partnering with the customer's team and working with them on:

- **Battery types and battery products**
- **Price point**
- **Efficiency and cost-effective supply**
- **Chemistry technology experience**
- **Space limitations and space concerns**
- **Technical competency**
- **Manufacturing process**
- **Long term supply solutions**
- **ISO 9001 conformity**
- **Expert consultancy from planning to products entire lifespan**





SERVICE OFFERING

Potensa offers our customers an array of services including:



**Customised Energy
Solutions**



**Standardised Battery
Systems**



**Intrinsic Safety
Design**



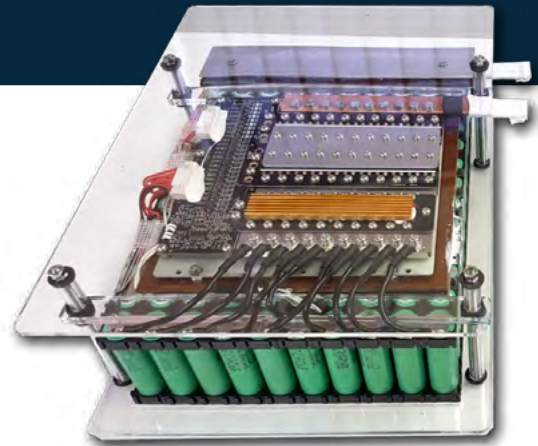
**Energy
Consumables**



REFINE AND RECREATE

Potensa designs the PC board components used in the Lithium-Ion battery packs which allows us to refine and recreate according to our customer's needs.

By working with standardised PCM's and BMS systems, Potensa can produce, construct, enhance, tweak, and supply customers with the best possible product.



ATEX - INTRINSIC SAFETY DESIGN & APPROVAL



The ATEX mark aims at testing and certifying explosion-proof equipment.

Potensa can assist with intrinsic safety design and assisted ATEX approval. We are competitive and reliable. Most importantly, safety is always at the heart of our planning, product design and implementation.



SUPPLIERS AND PARTNERS

Potensa has agencies with several reputable suppliers in the battery industry. We work hard to maintain and grow our relationships with all our partners to ensure that we can deliver high-end, industry-leading battery brands to our customers.



Panasonic

Energizer



ENERGY CONSUMABLES

At Potensa, we offer an extensive range of consumables that are plug and play as stand-alone items. We have an online shop for you to utilise and source specific consumable items that you may be seeking.

We have many imported and specialised consumables that are available for use in a multitude of applications. Our store has many components that cannot easily be sourced locally and furthermore are used in specific applications or specialised equipment.



NO MATTER THE INDUSTRY YOU WORK IN

The custom battery packs are manufactured for use in a variety of applications in the Mining, Military, Medical, Industrial, Aerospace and Portable Device Industries.

Potensa serves customers in various sectors, including:

- TELECOMMUNICATION
- MILITARY
- INFORMATION TECHNOLOGY (IT)
- METERING
- TRACKING
- ENERGY SYSTEMS
- MINING
- IOT
- AUTOMOTIVE

...to name but a few.



DID YOU KNOW? BATTERY PACKS FOR DRONES

In late 2020, Potensa built a customised battery pack for a mid-size lifting drone. With the capability of producing 20kW for short bursts of power over a short period and remarkably only weighing a total of 13kg.



DID YOU KNOW? SOLAR STREET LIGHTING

Potensa has supplied a number of solar streetlight-manufacturers with customised battery solutions. In December of 2020, a client asked for the impossible, Potensa rose to the challenge and manufactured 180kW worth of battery packs in less than two weeks to meet the critical delivery time frame.



DID YOU KNOW? WILDLIFE TRACKING

Potensa has been the supplier to a world leading animal tracking company for the past 15 years. The tracking company has distribution across most of the globe namely, North America, South America, Africa, Australia, Europe as well as the Middle and Far East.



NO MATTER WHERE YOU ARE

At Potensa we have no limitation on locations with any of our custom energy solutions.

We can manufacture and supply a variety of products and solutions anywhere in the world.



CONTACT US

It is our hands-on technical expertise that sets our service offering apart.

We believe that with the right configuration and the right support, we can meet any requirements.

Contact us today to see how we can assist you!

+27 11 023 8846
info@potensa.net

14 Railway Avenue, Benoni,
JHB, 1500, South Africa

Visit our website:
www.potensa.net