WE GALVANISE INNOVATIONS TO ACCELERATE - SMARTER, CLEANER AND MORE ACCESSIBLE SOLUTIONS

www.euclionpower.in

EUCLION ENERGY

GALVANIZING INNOVATION

A SUBSIDIARY OF BHARAT POWER SOLUTIONS

OVERVIEW

We at Euclion Energy Pvt Ltd, design, develop and supply the lithium ion battery packs with customization according to the required application. We analyze the application and with our technical expertise and experience choose one of the prevailing chemistry (NCA, NMC, LCO, LFP, LTO, etc) and fabricate the pack using our own Thermal Management System and BMS (battery management system).

Co-operation with Euclion provides an unmatched catering of technology and innovation for power solutions. Being technology agnostic, we assure you to serve with an apt solution to your required specifications.

Lithium ion battery integration is a quite sophisticated process which requires a special set of skill and experience to optimize the performance and operational life. WeEuclion have presented ourselves as the most economic power solution provider in India and abroad through the phase of time.

VISION

To deliver reliable and best quality to its customers. Technology and trust are key value additions that are delivered with every product and endorsed by its satisfied clientele across the globe.

MISSION

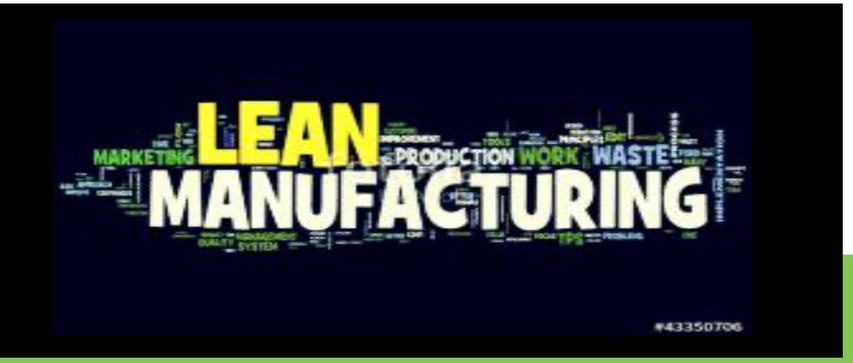
To deliver reliable and best quality to its customers. Technology and trust are key value additions that are delivered with every product and endorsed by its satisfied clientele across the globe.

QUALITY POLICY

We Galvanise innovations to accelerate -Smarter, cleaner and more accessible solutions for this planet Earth. To achieve this, we take various measures to detect and prevent faults in our product. So, we can deliver quality products to our clients Some of them are quality control, quality assurance and quality of conformance

Lean Manufacturing is the production control technique for eliminating the waste from manufacturing. The fundamental philosophy behind Lean Manufacturing is to provide superior quality products for more Customers at a significantly lower price and to contribute to a more prosperous society. As waste is eliminated quality improves while production time and cost are reduced. It is important to build a Company production system based on this philosophy.

LEAN MANUFACTURING

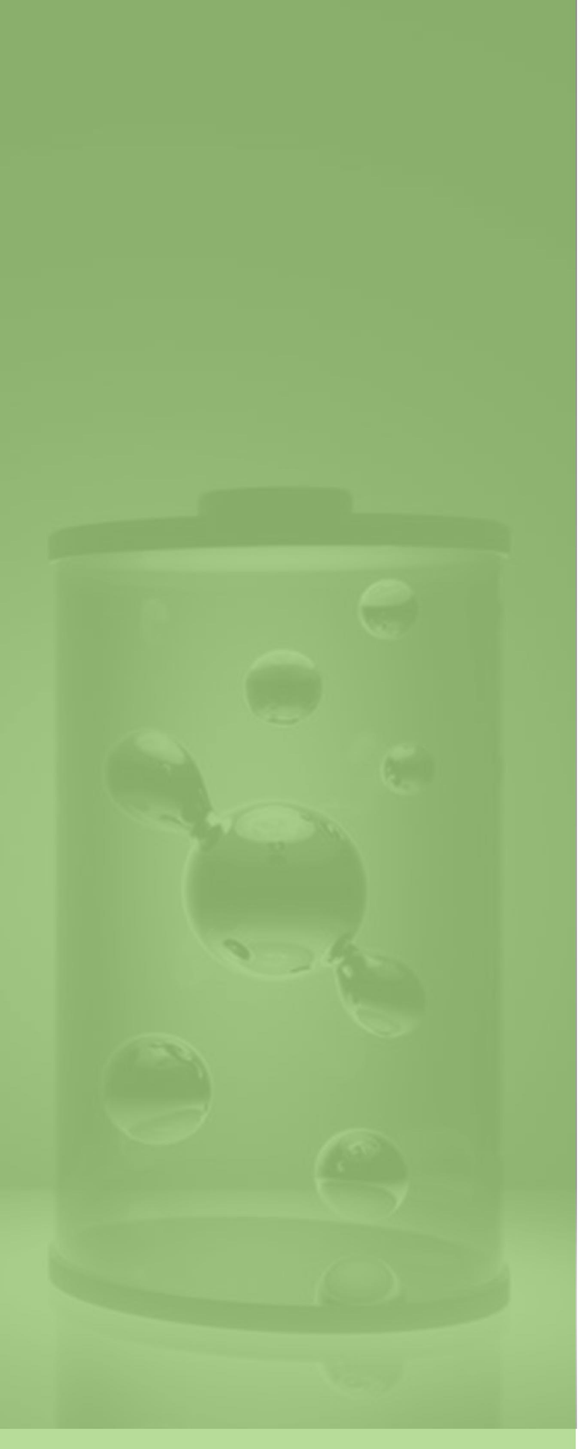


The Make in India initiative was launched by Prime Minister on 25 September 2014. The aim of the mission is to encourage companies to manufacture their products in India and also increase their investment. We, Euclion pvt ltd. are a leading customized Lithium ion battery pack manufacturer. Lithium ion batteries are widely demanded in the market for their pollution free and high performance

MAKE IN INDIA

Swachh Bharat Abhiyan was launched by Honorable Prime Minister Narendra Modi Ji on 2 October 2014. The aim of the mission is to clean up the streets, roads, and infrastructure of India's cities, smaller towns, and rural areas. We, Euclion pvt ltd. will be contributing minimum 0.1 percent of our one-year average annual net profit to make this "Clean India" project a success.

CLEAN INDIA



THE EUCLION ADVANTAGE

- Euclion battery packs are able to withstand adverse environmental conditions with our effective thermal management and advanced electronics techniques.
- Euclion has a team of dedicated engineers to decide the appropriate lithium ion chemistry for a particular application.
- Computer Aided Analysis (CAA) of every newly customized design before fabrication.
- Top notch software technology for communication with the host device. (SMBus, CANbus).
- Certifications of CE, IEC ROHS, ISO 9001:2015
- Battery packs according to IEEE 1625,1725 standards.
- Customization of battery packs according to application requirement.
- Advance integrated battery management system (BMS) to ensure monitoring, protection, balancing, communication of battery packs.
- Adedicated system of class 9 shipping of Li-ion batteries.
- Focused on delivering quality products by strictly following our quality policy.

OUR TECHNOLOGY

- Advanced Thermal Management Techniques.
- SMBUS System Module.
- CANBUS System Communication.
- MSP430 Micrcontroller Integration.
- Microcontroller Based Smart Battery Pack.
- Computer-Based Batteries programmer.
- Battery Management Upgrading System.
- Battery Evaluation Software Controller.
- RS-485 & CAN 2.0/ UART Communication Protocol.
- Advanced Customization of batteries.
- Controlled Dendrite Formation.
- Computer Aided Analysis of Customized design.

THERMAL MANAGEMENT

Euclion with dedicated research and niche experience has developed a novel approach of thermal management technique without affecting the compactness of high voltage LIBs' and maintaining IP rating.

Using our own proprietary developed Hybrid nanocomposite material, our researcher achieved a benchmark of thermal management to control the ambient temperature of 75 degrees within the range of 25-35 degree celsius on 1C discharge rate with a final edition to the mass of battery (gravimetric density) and the same goes for negative temperature as well.

ADVANTAGES OF LITHIUM ION BATTERY OVER LEAD ACID BATTERY

3x

3 TIMES FASTER CHARGING

3x

3 TIMES LESS WEIGHT

3x

3 TIMES LONGER LIFE

COMPACT DESIGN

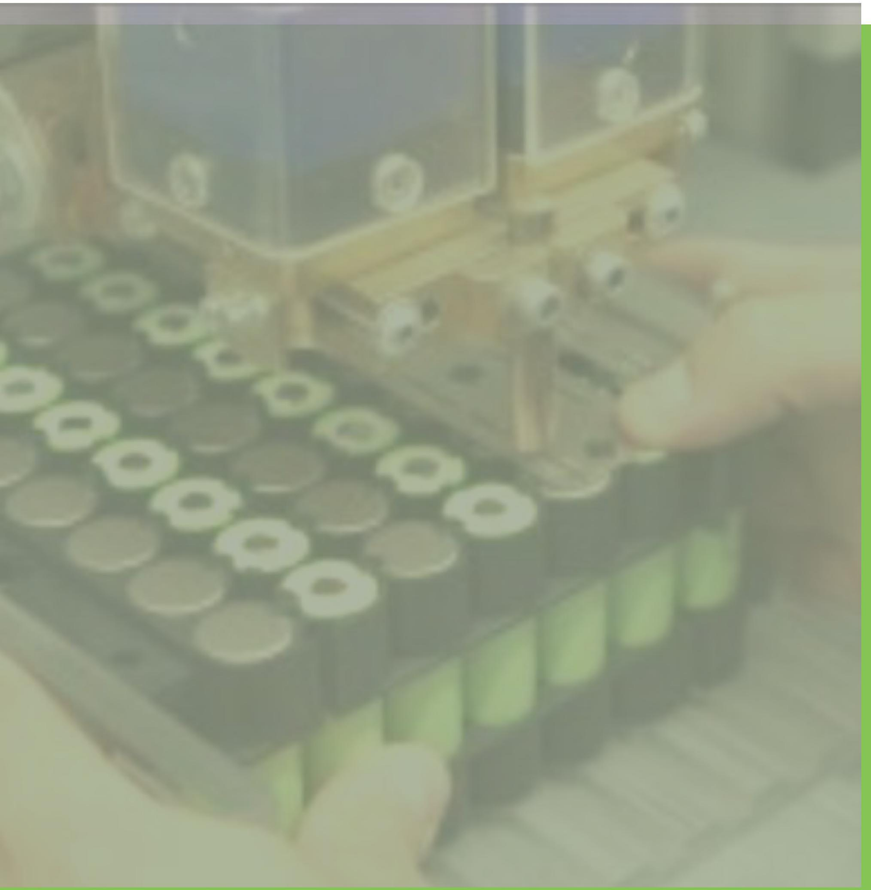
MORE PROFITABLE

MORE ECO FRIENDLY

MORE POWERFUL

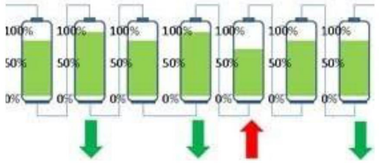
LOW MAINTENANCE

MORE THERMALLY STABLE

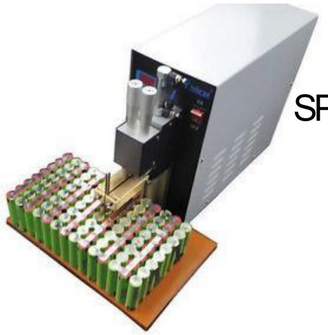


M ANUFACTURING PROCESS

CELL



CELL BALANCING AND TESTING



SPOTTING

BATTERY MODULE+BATTERY MANAGEMENT SYSTEM (BMS)

TESTING OF BATTERY PACKS

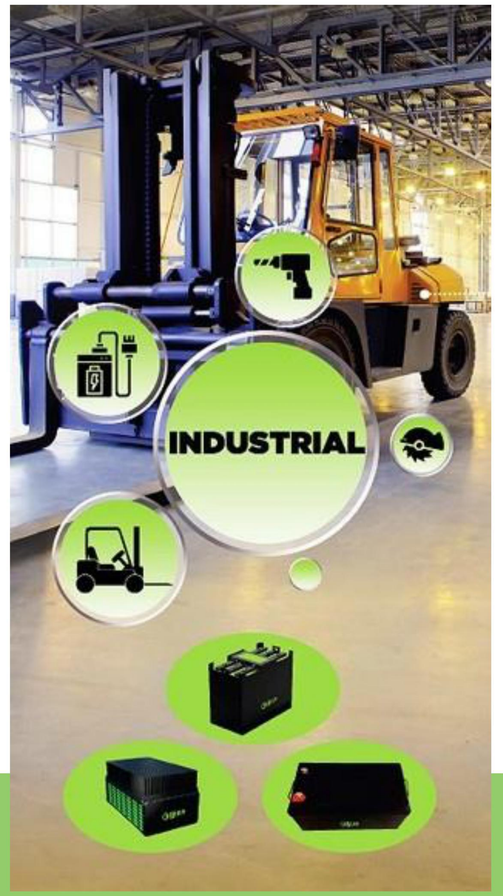
SLEEVING

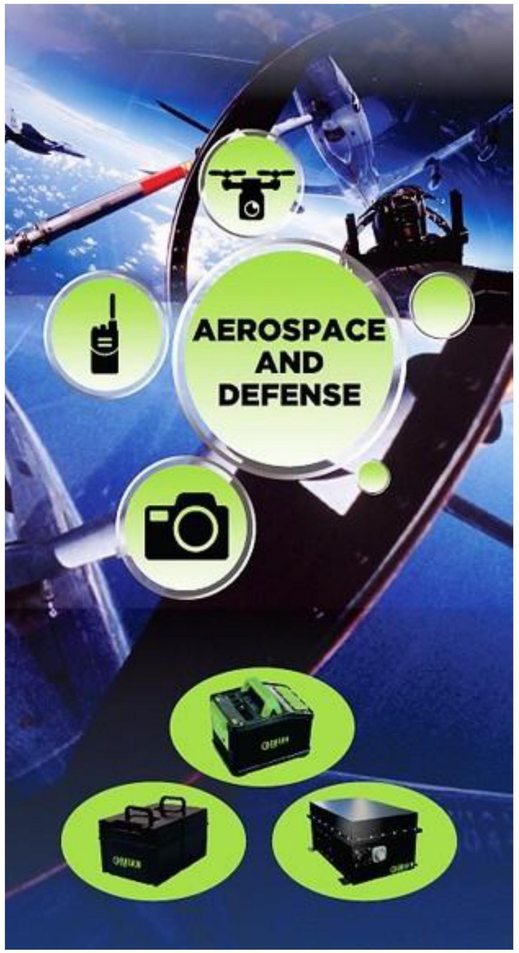
QUALITY CHECK

PACKAGING

DISPATCH

PRODUCTS &APPLICATIONS





OUR DC CHARGING STATION

DUAL/ TRIPLE/ SINGLE OUTLET

- AC INPUT AND DC OUTPUT
- SUPPORTS BOTH CCS AND CHADEMO PROTOCOLS
- FAST CHARGING STATION
- IT CAN BE USED AT HIGHWAY, REST STOPS, PETROL STATIONS, URBAN AREAS
- THREE VARIANTS
  - 60 KW/DUAL OUTLET
  - 7KW/SINGLE OUTLET
  - PORTABLE CHARGING SOLUTION

VALUABLE CLIENTS

HPL

GM

THE HI-TECH ROBOTIC SYSTEMZ LTD.
EVOLUTION THROUGH INNOVATION

PARI Robotics Inc

DEFENCE R&D ORGANISATION
MINISTRY OF DEFENCE

INTEX

HYUNDAI

wipro

National Institute of Occupational Health

Mahindra

Hitech Metal Fab, Inc.
Precision Sheetmetal Fabrication

moserbaer
REWRITING THE FUTURE

Hero

SAMSUNG
ELECTRONICS

HERO CYCLES

SOLABOT

HCL

SPARK MINDA
ASHOK MINDA GROUP

vivo

fiem
LIGHT UP THE WORLD

EUREKA FORBES

Dixon
The brand behind brands
Dixon Technologies (India) Limited

Think Link
SUPPLY CHAIN SERVICES

Aimil

LOOM SOLAR

TATA
TATA CHEMICALS

TITAN
COMPANY

HAVELLS

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GET IN TOUCH

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