

BATTERY PLATFORMS



Celltech

THE POWER OF
CHANGE

CELLTECH SOLUTIONS

Celltech has a production plant in Tampere that specialises in engineering, design and production of battery systems for industrial vehicles and machinery.

- Focused development and manufacturing of Industrial vehicle battery systems and industrial ESS systems
- R&D centre operations
- Facilities for prototyping and thermal/current cycling
- Full traceability of cells and main components in production
- Advanced laser welding for large battery systems
- Gold EcoVadis Medal for sustainability
- ISO9001, ISO45001 and ISO14001



OUR SOLUTIONS

Our solutions are modifiable and scalable according to customer needs. They can be delivered in various sizes and mechanical forms.

All platforms are designed to withstand heavy, industrial use in harsh environments with resistance to corrosion and vibration.

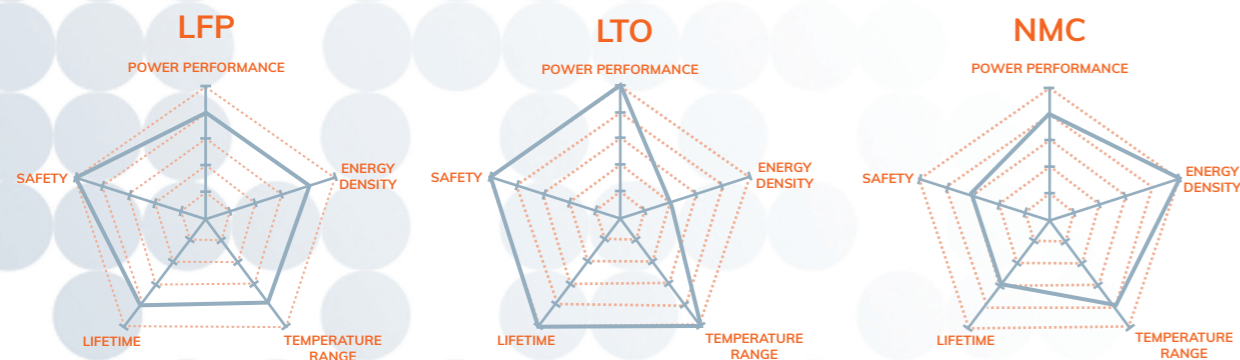
We can offer different charging interfaces (CCS proprietary). Battery system thermal management is designed according to application requirements and can be delivered with Liquid or Air, medium or passive cooling when applicable.

Safety measures are implemented in all designs to ensure operational safety and long-term reliability under diverse conditions.

OUR TECHNOLOGIES

We use three different core technologies: LFP, LTO and NMC.

When it comes to the requirements for industrial electrification, we support the safest technologies with the longest lifetimes, namely LFP and LTO. However, if the situation calls for it, and the choice is safe, we can also back NMC, especially when there are demands for high energy density or weight reduction.



RHINO PLATFORM

A HEAVY-DUTY ALLY IN ELECTRIFICATION OF LARGER MACHINERY

Rhino is our biggest and most robust platform in every aspect, including charging. It is typically the very core of electrified heavy-duty machinery. It is built for applications where high-power capacities are required, e.g. when lifting heavy loads. It is very durable and can withstand harsh conditions.

SPECIAL CHARACTERISTICS:

- Up to 800 V
- Up to 2MWh on parallel use
- Applications such as heavy-duty hybrid and full electric work machinery



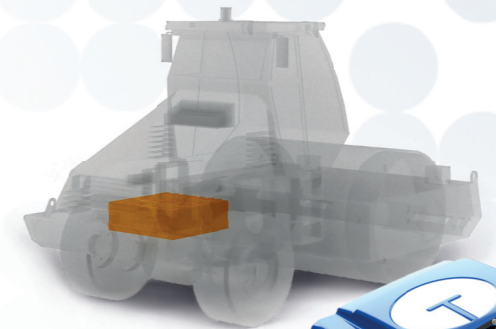
TURTLE PLATFORM

RELIABLE AND AGILE DURABILITY

Turtle is a durable solution for small to medium size machinery. It is typically used in small construction machinery like mini tractors, -excavators, -dumpers, -drum rollers and -loaders.

SPECIAL CHARACTERISTICS:

- 36-120 V
- 5-30 kWh
- Applications such as urban vehicles, forklifts, small and medium-size excavators, rollers, etc.



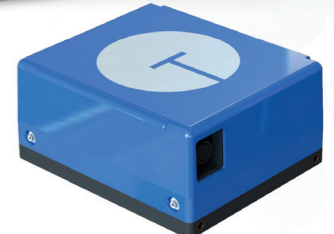
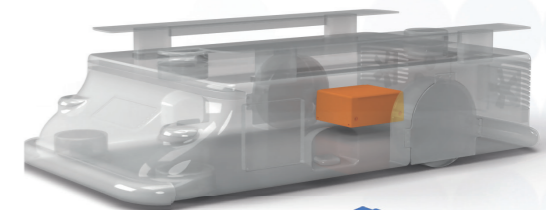
BEETLE PLATFORM

A SAFE AND COMPACT POWER SOURCE

Beetle is the smallest and most compact of our three platforms, typically used in smaller vehicles like AGVs, robots, and mild hybrids, offering high performance in a compact shape. Its design optimises space utilisation without compromising on safety and efficiency.

SPECIAL CHARACTERISTICS:

- 24 – 48 V
- Systems below 5 kWh
- Applications such as AGVs, robots, start/stop - applications, stationary backups etc.



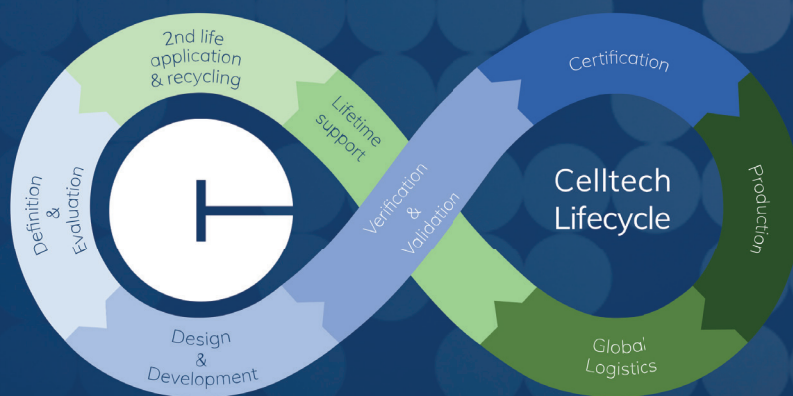


LEADING BATTERY SOLUTIONS

Celltech Group is one of the leading battery suppliers in the world, with operations in nine countries, five R&D and production facilities, and approximately four hundred employees. We provide a wide range of batteries, from standard products to highly advanced battery packs and industrial battery systems custom-designed and manufactured to meet our customers' needs. With our extensive partner network created over the years, we provide our customers with value-added, high-quality, and competitive total solutions with efficient global logistics.

With the support of our extensive partner network created over the 40 years we have been in the battery business, we provide value-added, high-quality, and competitive Celltech Lifecycle solutions with efficient logistics. Celltech Lifecycle is "The Celltech way of doing things." We always consider the entire lifecycle of the solution, and we provide innovative, sustainable solutions that meet our customers' needs while minimizing their environmental impact.

LET'S POWER THE FUTURE TOGETHER!



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