

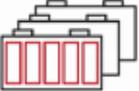


**Customised lithium batteries
for industrial machines and
electric vehicles**



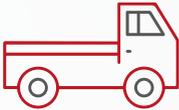
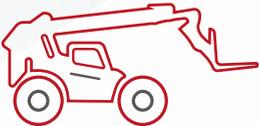
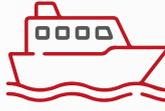
Flash Battery's figures on the industrial market

Our focus on the **industrial market** has allowed us to work alongside several **European manufacturers** of industrial machines and vehicles to produce customised batteries that comply with the space and encumbrance restrictions of the vehicle, offering **voltages and power supply tailored** to specific work requirements.

| | | | |
|---|---|---|---|
|  |  |  |  |
| from 6 kWh up to over 300 kWh | >550 MWh | >800 models | >30,000 batteries |
| RANGE FLASH BATTERY PACK | GENERATED ENERGY | CUSTOMIZED BATTERIES | INSTALLED IN 54 COUNTRIES |

The right lithium battery for each application

Developing a customised battery pack implies understanding the needs of manufacturers and devising tailor-made solutions for each sector.

| | | | | | |
|--|---|---|---|---|---|
|  |  |  |  |  |  |
| CONSTRUCTION MACHINES | INDUSTRIAL MACHINES | AGRICULTURAL MACHINES | ELECTRIC VEHICLES | INDUSTRIAL AND URBAN CLEANING MACHINES | HEAVY DUTY MATERIAL HANDLING |
|  |  |  |  |  |  |
| AERIAL PLATFORMS AND CRANES | AGV/LGV INTRALOGISTICS | AIRPORT GROUND SUPPORT EQUIPMENT | RAILWAY | MARINE INDUSTRY | MINING MACHINES |

Smart battery solutions

FLASH BALANCING SYSTEM

Our patented battery management system, the **Flash Balancing System**, acts at high power both in active mode during discharging and in

active and passive mode during charging, with a **balancing current (20A)** that far exceeds conventional BMS systems.

All the advantages of the Flash Balancing System

| | | | |
|---|---|---|---|
|  | High-power active and passive balancing (20A) |  | Short and predictable charging time (balancing time under 30 minutes) |
|  | Active support for the weakest cells during discharge |  | Full temperature control with two sensors per cell |
|  | Zero maintenance | | |

The Flash Battery working method

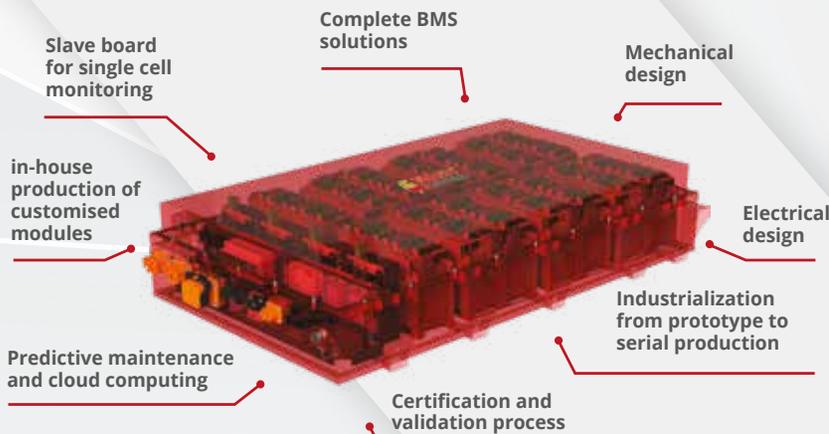
8 STEPS

Each of our batteries is designed following an **eight-step industrial process** in which all areas of the company work together towards a single goal: to work alongside the manufacturer to assess together **the most suitable electrification solution for the vehicle**.

This industrial approach has enabled us to develop in-house all the necessary skills to produce most of the **strategic components**.



The ultimate goal is to achieve **perfect integration** that not only allows our batteries to perform at their best, but also delivers **added value** in terms of **performance, autonomy and zero maintenance costs** for the entire machine.



FLASH DATA CENTER

The Flash Battery lithium batteries have a cloud-based **remote control** system that uses **artificial intelligence** and **machine learning** to analyse the data collected from all the active Flash Battery systems worldwide. Its most important feature is

automatic data control: the system monitors and analyses battery performance data on a daily basis and helps eliminate false reports and anomalies from the outset through **predictive maintenance** and **Over The Air updates**.

Flash Data Center allows you to



Monitor the parameters of each battery 24/7



Execute continuous and automatic prevention



Receive instant alerts if malfunctions occur



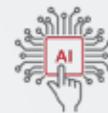
Organise extraordinary maintenance and repair operations in a timely manner



Eliminate maintenance costs



Increase machinery productivity



Preventing potential anomalies using AI and Machine Learning



Receive real time usage data to introduce product improvements



Predicting future behaviour of the battery and planning for its end-of-life





Flash Battery designs, produces and remotely monitors **customised lithium batteries** supplied to manufacturers of industrial machines and electric vehicles with medium production volumes and high tailoring requirements.



We make our **expertise** available to respond to the **ever-growing industrial electrification market**.



We work daily to affirm our **leadership in Europe** and offer customised lithium batteries geared to the needs of individual industrial applications.



Partners for an electric revolution



Finding an **experienced lithium battery** supplier is one of the most pressing needs for manufacturers and industrial OEMs embracing electrification. On top of this is the search for a **turnkey product**.



Over time, Flash Battery has been able to create a network of **international partnerships** with system integrators active in major European countries oriented towards the energy transition.



The expansion of our business relationships led us, in 2023, to open an **operational site in the United States**, in Houston, Texas, to ensure excellent **after-sales service** for customers operating in the NAFTA market.

Do you want to know the best solution for your vehicle?
Each Flash Battery lithium battery is designed from the customer's real needs: request your free assessment and discover the best electrification match for your needs.

Scan the QR code and request a **preliminary assessment**



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