# Medical Batteries

At Celltech Group, we recognise the critical role of power sources in medical devices. Our commitment to engineering and manufacturing high-performance, reliable batteries tailored to the medical industry's unique needs positions us as a key partner in healthcare innovation. With two dedicated factories and decades of experience in the medical business, we specialise in offering energy solutions that enhance medical equipment's performance, dependability, and durability.

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## Selecting Your Customised Medical Battery: Essential Considerations

The right battery selection is foundational to a medical device's success. Key considerations include:

1. **Early Engagement and Expertise:** Collaborating with your battery manufacturer from the initial design stages ensures seamless integration and avoids compromises. A supplier with extensive medical sector experience is invaluable.

2. **Battery Type:** When choosing a battery type, it is important to prioritise requirements over chemistry.

3. **Design Flexibility:** Tailored designs meet unique device requirements effectively.

4. **Battery Life:** Consider lifespan and recycling in compliance with local regulations.

5. **Compliance and Quality Assurance:** Ensure the battery meets the market legislation standards and the supplier has the required quality certifications

6. **Battery Safety:** Ensure the battery is designed with adequate safety features to safeguard both the device and end-users.

7. **Certification Support:** Supplier assistance with tests and certifications is crucial.

8. **Time-to-Market:** Plan for lead times

9. **Sustainability:** Assess the environmental impact of your product and ensure that the battery complies with local legislation. Note that the EU Battery Regulations requirements fall on the company importing the battery into an EU country (even from another EU country). Therefore, it is easier to select a reliable local battery supplier.

10. **Post-Delivery Support:** Evaluate the level of ongoing support you'll need.

## Why choose Celltech?

- ☑ **Quality Management Systems:** Our German and Chinese manufacturing plants specialise in medical batteries and hold ISO 9001, ISO 14001, and ISO 13485 certifications. This underscores our dedication to maintaining high standards throughout production, from material selection to final product testing.

- ☑ **Extensive Testing:** We go further than most in testing. For example, we test protective circuits before and after production to ensure 100% performance.

- ☑ **Supply Chain Management:** We emphasise a strong supply chain to ensure stable quality and timely delivery, prioritising manufacturers that use environmentally sustainable materials.

- ☑ **Long Supplier Partnerships:** We have reliable, audited cell and component suppliers with long partnerships.

- ☑ **Battery Design Expertise:** Our team is equipped to design comprehensive solutions, including Battery Management Systems (BMS) and medical-grade battery cases, tailored to the specific needs of each application.

- ☑ **Scalability:** We have scalable manufacturing plants in Finland, Germany, Bulgaria, United Kingdom and China, with a total floor space of over 11,000 $m^2$.

- ☑ **End-to-End Capabilities:** We cover every aspect of the battery lifecycle from design to recycling.

- ☑ **Continuous Innovation:** Our commitment to exploring new chemistries and technologies drives us forward.

- ☑ **Celltech Lifecycle Approach:** At Celltech, we always consider the entire lifecycle of our battery solutions from design to recycling. Celltech Lifecycle is our operational model.

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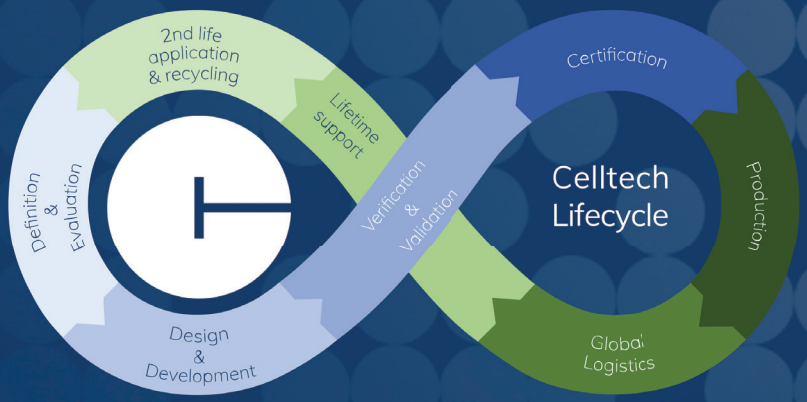
# About Celltech Group

Celltech Group is a global battery supplier and manufacturer of leading battery solutions with operations in nine countries, five R&D and production facilities, and over four hundred employees. With the support of our extensive partner network, which has been 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 Group merges innovation with reliability, offering battery solutions that meet the medical device industry's evolving needs. Our dedication to quality, compliance, and customer satisfaction ensures we deliver products that power medical devices reliably, contributing to advancements in healthcare technology. With Celltech, you gain a partner committed to excellence and innovation, ready to meet the challenges of powering tomorrow's medical devices.

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