



KEY SERVICE:  
**BATTERY - END OF LIFE  
STRATEGY DEVELOPMENT**

### **WHY CONSIDER AN END OF LIFE STRATEGY?**

Nowadays lithium-ion batteries (LiB) used for transport applications are substituted when they reach 70-80% of their original capacity, leaving many OEMs with the decision of how to best deal with the used battery packs. Given the increasing demand of and cost of raw materials, developing an End of Life (EoL) strategy is becoming fundamental. Since EoL strategies are difficult to implement and change once designs are set, OEMs are encouraged to thoroughly evaluate EoL in the design stage.

Based on our expertise, HSSMI can present the possible opportunities to recover and maximise product value with the existing battery designs through reusing, refurbishing, remanufacturing, repurposing and recycling, evaluating the associated benefits and challenges related to cost and complexity.

### **WHY HSSMI?**

HSSMI is a manufacturing innovation consultancy, with a unique focus on sustainability. Our manufacturing experience coupled with extensive skills and capabilities in battery manufacturing and circular economy allow us to provide an external assessment of your organisation's journey towards circularity. We appreciate that each manufacturing organisation is different and we endeavour to deliver bespoke solutions that match your business model, products and services.

### **HOW HSSMI CAN HELP**

HSSMI have gathered a significant experience in EoL strategy development through a multitude of research and development projects working with a variety of different chemistries. Our approach to EoL strategy development is based on the circular economy And we can model your market and product to develop an end of life strategy that will maximise economic potential, minimise environmental impact and put you at the fore as sustainable champions in your industry.