

Battery Technology Services

Technical Consultancy Services

QinetiQ scientists are experts in a wide range of battery and power technologies. We offer Research & Development (R&D) and test and evaluation capabilities to government and commercial partners.

Our scientists have developed a number of new technologies, including custom designed cells, battery packs and battery management systems. Our dry-room houses a pilot-scale cell production facility that provides a clear route for technology transfer to high volume manufacture.

QinetiQ has experience working with a wide range of industries including oil and gas, automotive, consumer and medical products and renewable energy systems. We work closely with our customers to understand their requirements, which enable us to deliver state of the art power solutions.

We offer the following services in support of bespoke battery pack design:

Requirement capture

QinetiQ's experts capture the application requirements, which enable us to determine the most appropriate cell or battery. This can be accomplished in a variety of ways under different environmental and operational conditions.

To support this work, QinetiQ has developed a small, portable data-logger which can be interfaced to the battery's own management and safety systems to record performance over extended periods and in remote or unmanned situations.

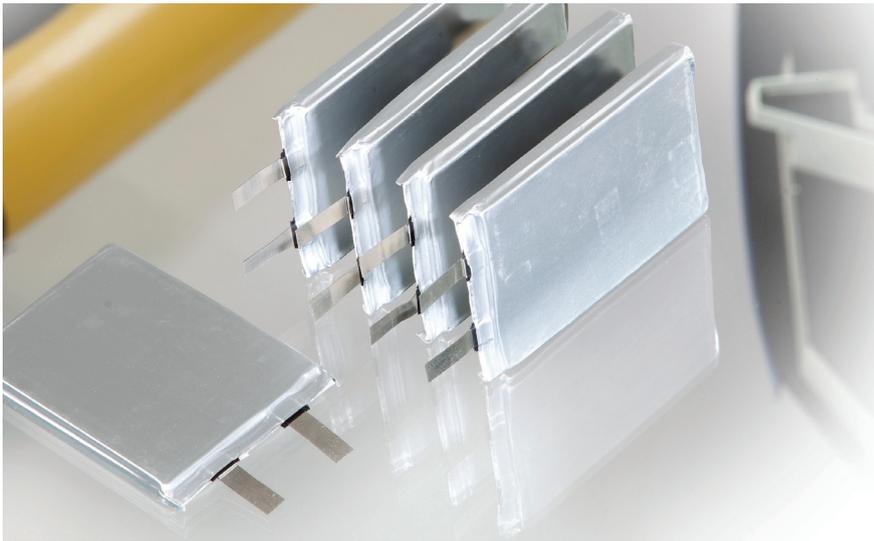
Technical intelligence and guidance

QinetiQ's experts can provide technical advice on current commercial products and make independent, impartial recommendations on their suitability. This advice can cover many aspects such as technical performance, application and manufacturing supply chain.

Our facilities can support independent, practical assessment of materials, components, cells and systems.

Emerging technology assessment

QinetiQ can interpret scientific trends and new technology solutions to satisfy customer enquiries on relevance, validity and quality. Our experts have a diverse knowledge base and using firm scientific principles are able to provide an intelligent and robust analysis of literature reports, electronic media and press releases on a variety of topics including primary and rechargeable batteries.



Technical roadmap

In order to understand how changes in the supply chain, including arrival of new and emerging technologies can support your business, QinetiQ provides advice on obsolescence management and finding suitable replacement products based on its extensive understanding of battery chemistries and performance requirements.

We can map the technical steps required to develop emerging technologies into practical, commercial systems.

We call upon our global network of industrial and academic partners to facilitate development and commercialisation of innovative products and solutions.

Obsolescence management

QinetiQ can advise on obsolescence management and suitable replacement products based on its extensive knowledge of the global supplier base that is constantly changing.

Our experience in product sourcing and performance management ensures that the product offers competitive or better performance. As new products emerge,

QinetiQ's experts can assist with sourcing and qualifying new products to ensure continued supply.

About QinetiQ battery technology services

QinetiQ's extensive experience in battery technology has been built through delivering services and solutions to a large number of customers across multiple applications for over 25 years. QinetiQ is at the forefront of research and development in electrochemical energy storage technologies and this is enhanced by our commercial, defence and academic networks.

The combination of our highly experienced battery technologists, significant investment in battery specific facilities and working with the very latest equipment enables us to deliver a broad range of proven services, which include:

- Cell Prototyping & Development
- Bespoke Battery Pack design
- Technical Consultancy
- Hazard Testing & Battery Evaluation.
- Investigation & Incident Support
- Supply Chain Management

Collaborating with QinetiQ

At QinetiQ we bring organisations and people together to provide innovative solutions to real world problems, creating customer advantage.

Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

www.QinetiQ.com

Copyright QinetiQ Ltd 2017 | Technical Consultancy Services

QinetiQ/17/04453

For further information please contact:

Cody Technology Park
Ively Road, Farnborough
Hampshire, GU14 0LX
United Kingdom

+44 (0)1252 392000
customercontact@QinetiQ.com
www.QinetiQ.com