CONSORTIUM FOR

BATTERY INNOVATION

BECOME A MEMBER OF THE ONLY GLOBAL ADVANCED LEAD BATTERY RESEARCH AND INNOVATION CONSORTIUM





THE CONSORTIUM FOR BATTERY INNOVATION IS THE ONLY GLOBAL PRE-COMPETITIVE RESEARCH ORGANIZATION FUNDING INNOVATION IN LEAD BATTERIES FOR ALL APPLICATIONS, FROM ENERGY STORAGE AND AUTOMOTIVE, TO INDUSTRIAL AND MOTIVE POWER.



Exide Technologies / RWTH Aachen University
OCSM battery system at M5BAT

TECHNICAL ROADMAP

In an expansive Technical Roadmap, our market-driven research priorities cover all applications of lead batteries. From increasingly electrified vehicles to renewable energy storage, from industrial batteries for UPS and telecoms to motive power, there is huge potential to enhance the performance of advanced lead batteries.

Feeding directly into the CBI technical program, our members will be contributing to a new level of innovation within the technology.

The Technical Roadmap will drive research and innovation within the advanced lead battery industry to deliver next-generation batteries.

RESEARCH OBJECTIVES

→ AUTOMOTIVE [START-STOP/MICRO-HYBRID]

Ensure that recent improvements in Dynamic Charge Acceptance (DCA) are maintained, whilst improving high-temperature performance and ensuring no trade-offs in key parameters such as Cold Crank Amps (CCA) and water loss.

→ AUTOMOTIVE [AUXILIARY/ LOW-VOLTAGE EV]

Improve DCA and charge acceptance, whilst increasing charging efficiency and lifetime.

→ ENERGY STORAGE SYSTEMS [ESS]

Improve cycle life, calendar life and round- trip efficiency whilst reducing acquisition and operating costs.

→ INDUSTRIAL APPLICATIONS

Improve cycle and calendar life, whilst reducing battery costs.

→ MOTIVE POWER

Move to reduce total cost of ownership by increasing cycle life, recharge time, and producing maintenance-free batteries.

→ UPS / TELECOMS

Improve cycle and calendar life, whilst reducing battery costs.

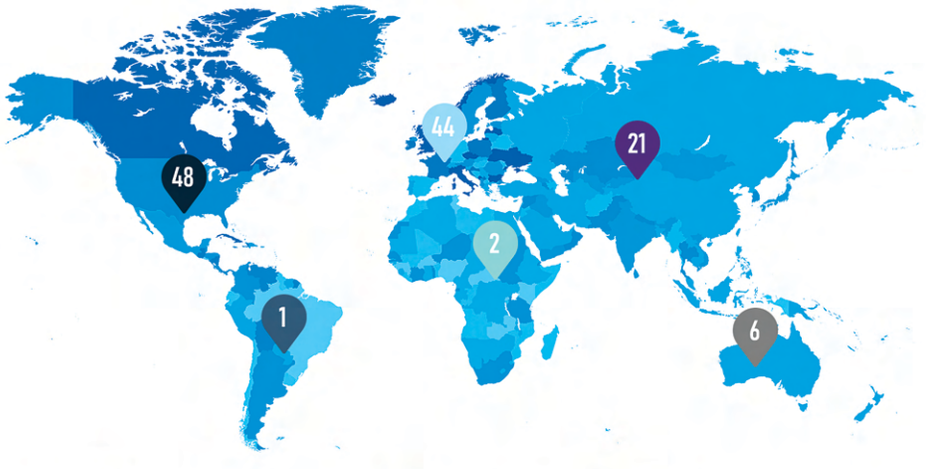
→ OTHER [INCLUDING E-BIKES]

Improve gravimetric energy density, recharge capability and service life.



MEMBER AND PARTNER REPRESENTATION

Our membership comprises the whole value chain associated with lead batteries, with over 120 members and partners located across six continents.



North America
South America
Europe
Africa
Asia
Australasia



Battery Manufacturers
Industry Suppliers
Research & Testing Institutes, Universities, End-users
Lead Producers
End-users



MEMBERSHIP BENEFITS

RESEARCH

- Access to cutting-edge research and innovation in lead battery technology at a fraction of the cost of dedicated in-house research programs
- Opportunities to form collaborative partnerships with lead battery manufacturers, suppliers and world-leading research institutes
- Ability to submit projects for funding from CBI core research program
- Access to over 30+ years of lead battery research
- Technical support from CBI experts

GOVERNMENT & STAKEHOLDER SUPPORT

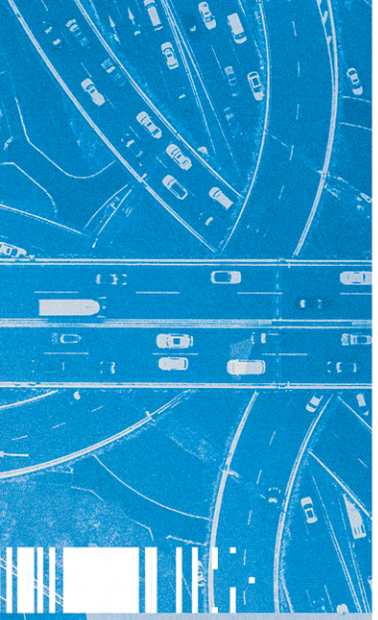
- Opportunity to become involved, and in some cases obtain funding, through government funded projects such as in Europe and US
- Support from CBI for member specific stakeholder funding bids

NETWORKING & COMMUNICATIONS

- Excellent networking and engagement opportunities worldwide with the lead battery industry, with annual meetings and workshops held in Europe, North America and Asia
- CBI membership is an excellent way of promoting your company and raising awareness of your work to the lead battery industry
- As a member, CBI is able to promote your company and work through our communications program, including videos, blogs and articles

MEMBERSHIP ADVANTAGES

- Access to annual CBI market data reports
- Opportunity to actively participate in CBI committees and drive direction of Consortium work
- CBI members are helping to ensure a sustainable future for the lead battery industry







LEADERSHIP

The Consortium is led by scientists with extensive expertise in the lead and lead battery industries. CBI also provides expertise in communications and marketing, bid writing and in testing and standards.



DR ALISTAIR DAVIDSON
DIRECTOR, CBI

University of Oxford
Washington State University
Chongqing University
The University of Edinburgh



DR CHRISTIAN ROSENKRANZ
CHAIRMAN, CBI

VICE PRESIDENT INDUSTRY AND GOVERNMENTAL RELATIONS EMEA – CLARIOS

Imperial College London
Leibniz Universität Hannover
CLARIOS

AS POLICYMAKERS STRIVE TO ACHIEVE LOW CARBON OBJECTIVES, GLOBAL DEMAND FOR BATTERY ENERGY STORAGE HAS NEVER BEEN HIGHER. OUR PIONEERING RESEARCH PROGRAM IS ENSURING THAT ADVANCED LEAD BATTERIES ARE AT THE FOREFRONT OF MEETING THAT DEMAND WITH EVEN MORE INNOVATIVE SOLUTIONS — FROM MICROGRIDS TO ELECTRIC VEHICLES, AND FROM STATIONARY STORAGE TO INDUSTRIAL BATTERIES.

EVENTS

The Consortium for Battery Innovation holds regular global events providing excellent networking and engagement opportunities worldwide with the lead battery industry. These events include:

- → MULTIPLE REGIONAL TECHNICAL WORKSHOPS PER YEAR (US, EUROPE AND ASIA)
- → GENERAL ASSEMBLY MEETINGS IN US, EUROPE, AND ASIA
- → MEETINGS ORGANIZED IN COMBINATION WITH GLOBAL STANDARDIZATION COMMITTEES SUCH AS CENELEC, AND EUROPEAN CAR MANUFACTURERS



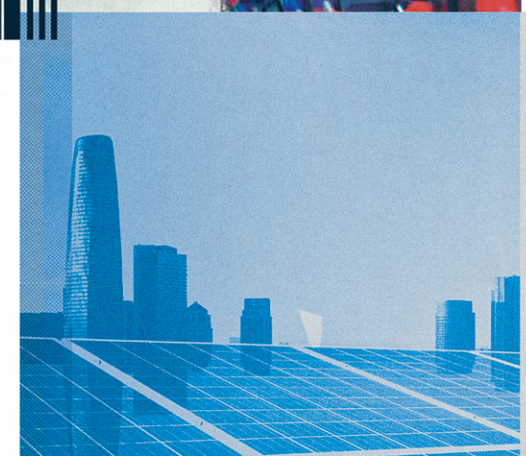




CONSORTIUM FOR
BATTERY
INNOVATION

JOIN US AS A MEMBER OF CBI AND BECOME PART OF THE FASTEST GROWING GLOBAL NETWORK OF BATTERY EXPERTS, FOCUSED ON CUTTING-EDGE RESEARCH AND APPLIED SOLUTIONS TO HELP ACHIEVE DECARBONIZATION AND ELECTRIFICATION.







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