

## Advanced Technology Development

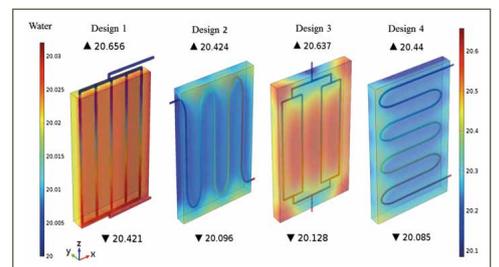
The Battery Innovation Centre (BIC) is the Belgian expertise centre for research and development of energy storage systems for traction and stationary applications. It offers state-of-the-art facilities and models for the rechargeable energy storage systems market.



## Cutting-Edge Energy Storage R&D

Rechargeable Energy Storage Systems (RESS) present key challenges for clean and energy efficient systems such as electric and hybrid propulsion systems. The Battery Innovation Centre, a division of MOBI, owns and operates the largest Belgian battery testing capacity (200+ channels, 9 climate chambers, impedance spectroscopy channels, thermal imaging equipment).

MOBI also develops dedicated battery, hybrid capacitor and supercapacitor models, battery management systems, thermal management systems and dedicated state estimation techniques (State-of-Charge, State-of-Health and State-of-Function indicators). This expertise is based on in-depth experimental analysis. As such, MOBI makes an active contribution to international standardisation, facilitating RESS benchmarking. MOBI's extensive database of experimental results also enables more advanced modelling and benchmarking.



## Strategic Partnerships

BIC is regularly placed at the disposal of organisations and private companies for the purposes testing, simulation, prototyping and proof-of-concept. With its hub located in the centre of Brussels, BIC fosters important opportunities for synergies and partnerships, while creating a positive environment for collaboration with the industry.

MOBI's facilities and innovative models have been implemented in projects with key actors such as BMW, Scania, Continental (ex Siemens), CRF (Fiat), Bosch, AVL List, Volvo trucks, Volvo cars, Toyota Motor Europe, Van Hool, Bombardier, Umicore, Laborelec, Emrol, 4Esys, Siemens, PEC, Enersys, ON Semiconductor, JSR micro, CTS, VITO, FMTC, Flanders Drive, MIVB and De Lijn.



## MOBI

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