

# PROJECT SNAPSHOT



## @FutureBEV

5  
PARTNERS



100 JOBS  
CREATED/  
SAFEGUARDED



HIGH DENSITY  
POWER ELECTRONICS



Accelerated Technologies for Future Battery Electric Vehicles (@FutureBEV) will ensure competitive powertrains in function and costs and enable UK technology transformation to zero emissions.

Partners:

BMW, CIL, CSA Catapult, Lyra, University of Warwick

## CSA CATAPULT ROLE

MODULARISED HIGH-DENSITY POWER ELECTRONICS



Fostering a new UK supply chain for sub components and system capability for the future of electromobility

**Aim:** The aim of this project is to develop a UK supply chain that can support the transition of BMW to SiC-based power electronics in their future generations of BEV (Battery Electric Vehicle). The project will also help anchor BMW activity in electrification in Oxford.

- This project lays the foundation for 100kW/l inverters, significantly exceeding the APC 2035 and further industry targets
- @FutureBev will develop next generation EV technology and a new supply chain solution for sub components used in electric vehicles
- If successful, there is an opportunity for this concept to be adopted for future i-series BEVs by BMW from 2024

## PROJECT BENEFITS



Lower vehicle level CO<sub>2</sub>, contributing to the NetZero goal



Both volume and performance to drive improved efficiency



Reduced weight and better use of storage