

# PROJECT SNAPSHOT



## HiCap

Develop a DC-link capacitor to extend the temperature limits to 125°C to be highly integrated to the power stage and the motor generator.

12 MONTH PROJECT



30 JOBS CREATED /SAFEGUARDED



MODELLING & SIMULATION



Partners:

API Capacitors, Integral Powertrain, CSA Catapult

## CSA CATAPULT ROLE

MODELLING | SIMULATION



Establishing a strong capability within the UK that is currently not present, benefiting the PEMD industries on a global scale.

**Aim:** To develop the manufacturing capability to produce DC-link capacitors for electric motor control units which can operate at higher temperatures, be more flexible in their shape and can be produced in a short lead time for low to medium volume markets.

- The project will increase the ability for the UK to supply the components essential for electric machines throughout the electric transportation sectors and other highly demanding industrial applications
- The capacitor created is a key part within the aerospace, automotive, production equipment and off highway applications
- Technology developed will be key to retaining the UK's position as a leader in the electrification of the automotive industry

## PROJECT BENEFITS



This UK capability will directly benefit other PEMD manufactures internationally



Supports the adoption of zero emission vehicles and goal of CO2 reductions



Components created are an important part of the PE system required for electric drives