

PROJECT SNAPSHOT



IDP 15: The Road to Zero Emission Vehicles

9
PARTNERS



90+
JOBS CREATED



500m
MANUFACTURING
REVENUE



Partners:

Microsemi, Camutronics, CSA Catapult, CSC, E-Drive, SPTS, Swansea University

CSA CATAPULT ROLE

CHARACTERISATION | PROJECT MANAGEMENT



ASIT, GaNTT and 100kVA/I

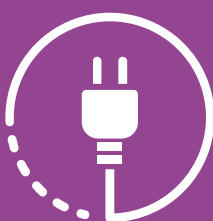
The Department for Transport recently published the 'Road to Zero' strategy. Its mission is to put the UK at the forefront of the design and manufacture of zero emission vehicles and for all new cars and vans to be effectively zero emission by 2040. IDP 15 will support this mission by funding ultra-low and zero emission on vehicle technology development.

- **ASIT:** A £1.1m project, incorporating 9 partners.
- **GaNTT** will be instrumental in developing a sovereign 'design through to system' supply chain.
- **100kVA/I** will generate in excess of £500m of manufacturing revenue opportunity by 2030.
- Performance improvements in line with the Power Electronics Roadmap for future power devices that can't be met with existing silicon-based technology.
- Defence, space, oil and gas systems will benefit from a payload.
- GaNTT is a core element to seed the development of a Compound Semiconductor Cluster in South Wales, with the aim of creating 5000 high tech manufacturing jobs by 2025.

PROJECT BENEFITS



Improved power density



Reduced range anxiety



70-80% manufacturing defrays