

Batteries, Call for evidence:

1. Is there enough UK vehicle manufacturing demand in the UK to support gigafactories? **Yes there is but it may be too late because all of these questions should have been asked 10 years ago**
2. Will the UK have sufficient battery production supplies by 2025 and 2030 respectively to meet the government phase-out plans for petrol and diesel vehicles? **NO! The phase-out should be delayed by 10-15 years to allow for the development of sovereign manufacturing capability.**
3. Is UK-based battery production necessary to support the manufacture of electric vehicles in the UK? **Yes and this is crucially important**
4. What are the risks to the UK automotive industry of not establishing sufficient battery manufacturing capacity in the UK? **It will reduce in size and jobs will be lost and our balance of payments will get worse than it already is**
5. What other domestic end uses for batteries would provide a market for UK battery production? **Energy storage in the home and, with the right type of battery, possibly the iron-air or vanadium flow battery for large scale energy storage from the unreliable and intermittent sources of energy: wind and solar.**
6. Does the UK have a sufficient supply of critical materials to support vehicle battery production? **Possibly, with lithium in Cornwall, cobalt also in Cornwall along with nickel and also Anglesey.**
7. How ready are UK vehicle producers for the EU–UK Trade and Cooperation Agreement (TCA) rules of origin (ROO) phasing in from 2024? **From what I hear they are totally unprepared.**
8. What can the UK learn from investment in other countries in the establishment of gigafactories? **Frankly a lot! The UK's reaction in the past decade has been abysmal. If it were not for Warwick Manufacturing Group we would have nothing!**
9. Do we have the skills in the workforce required for the production of batteries? If not what needs to be done? **These skills are rapidly disappearing and Govt has not listened for the past decade. There needs to be a rapid re-introduction of Technical Colleges and technical training at every level from Technician grade 4 upwards.**
10. Will the cost of UK batteries be competitive compared with batteries produced elsewhere? **Yes, if we get our act together**
11. What impact will the European Union's proposed Carbon Border Adjustment Mechanism have on UK production? **This question is irrelevant to the main point of this survey and displays a lack of**

understanding of the importance and urgency of creating our own manufacturing industry.

12. The Faraday Institution was supposed to look after this sector but it has been ineffective and largely invisible. Fortunately Warwick Manufacturing Group has at least got some presence and credibility in this important field.