



The role of innovation in battery development and the uptake of EVs

Neil Morris, CEO
September 2019



THE FARADAY INSTITUTION



Our mission

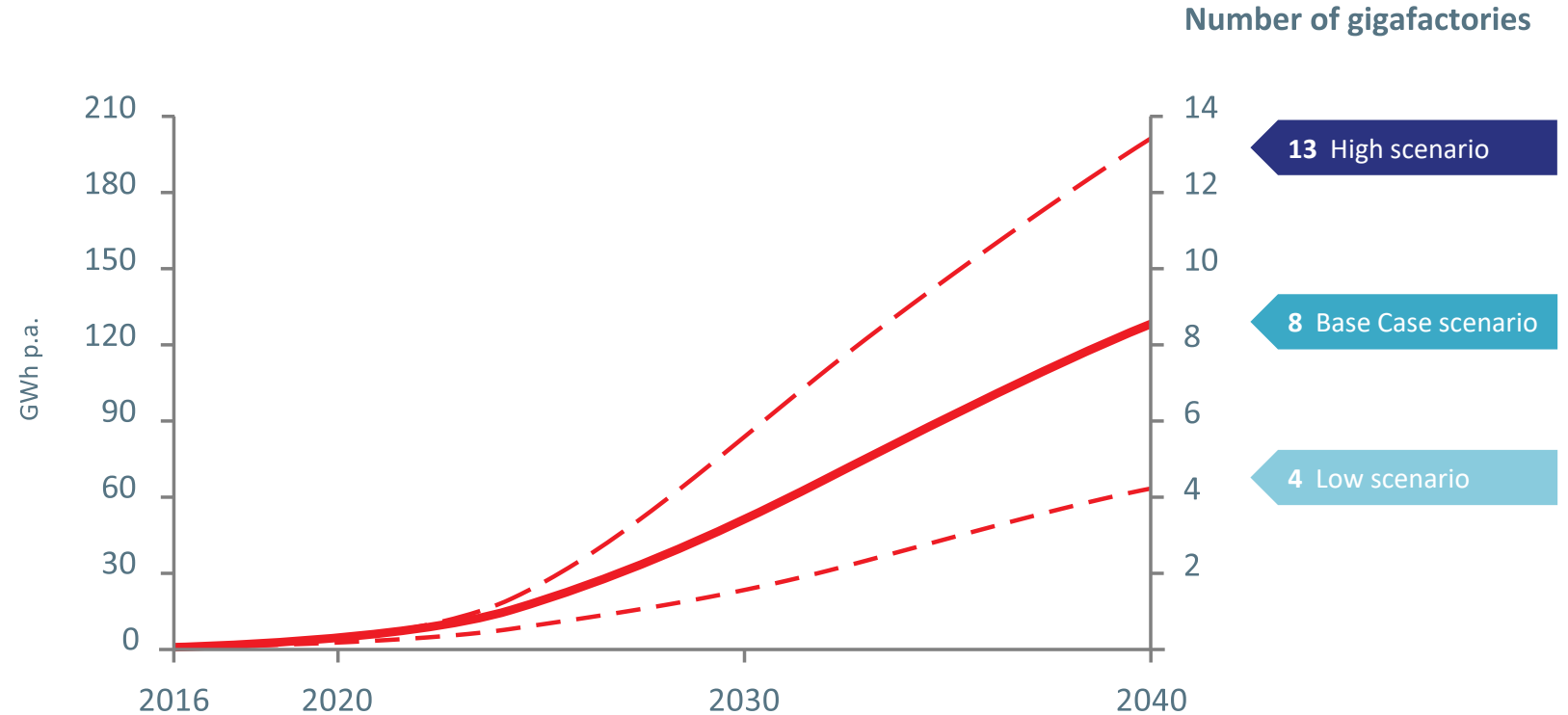
Accelerating breakthroughs in energy storage technologies to benefit the UK in the global race to electrification

THE TRANSITION TO ELECTRIC VEHICLES



Demand for UK-produced batteries

Based on the three scenarios, UK and EU demand for UK-produced batteries could reach 60-200 GWh p.a. by 2040, the equivalent of 4 to 13 gigafactories



THE ROLE OF INNOVATIVE THINKING IN THE UPTAKE OF LOW CARBON TECHNOLOGIES



Scientific breakthroughs

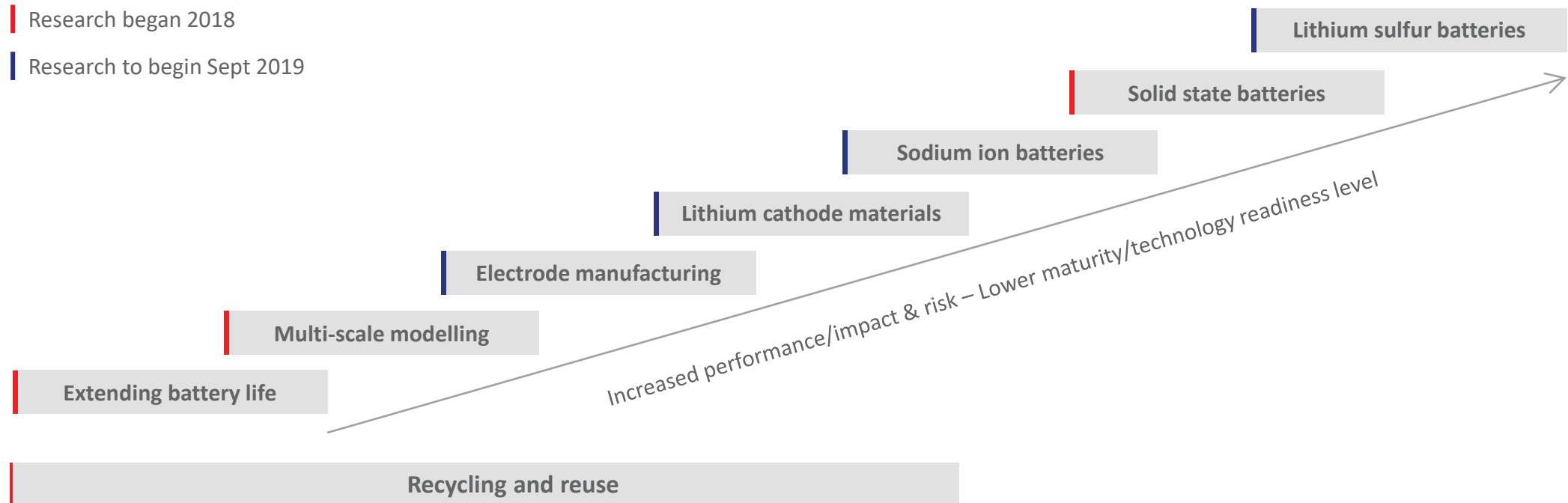
The model of conducting
application-inspired research

Skills development



Scientific research

Application-inspired research to address known technical performance gaps



REDEFINING THE RESEARCH MODEL



BUILDING CAPABILITIES – R&D



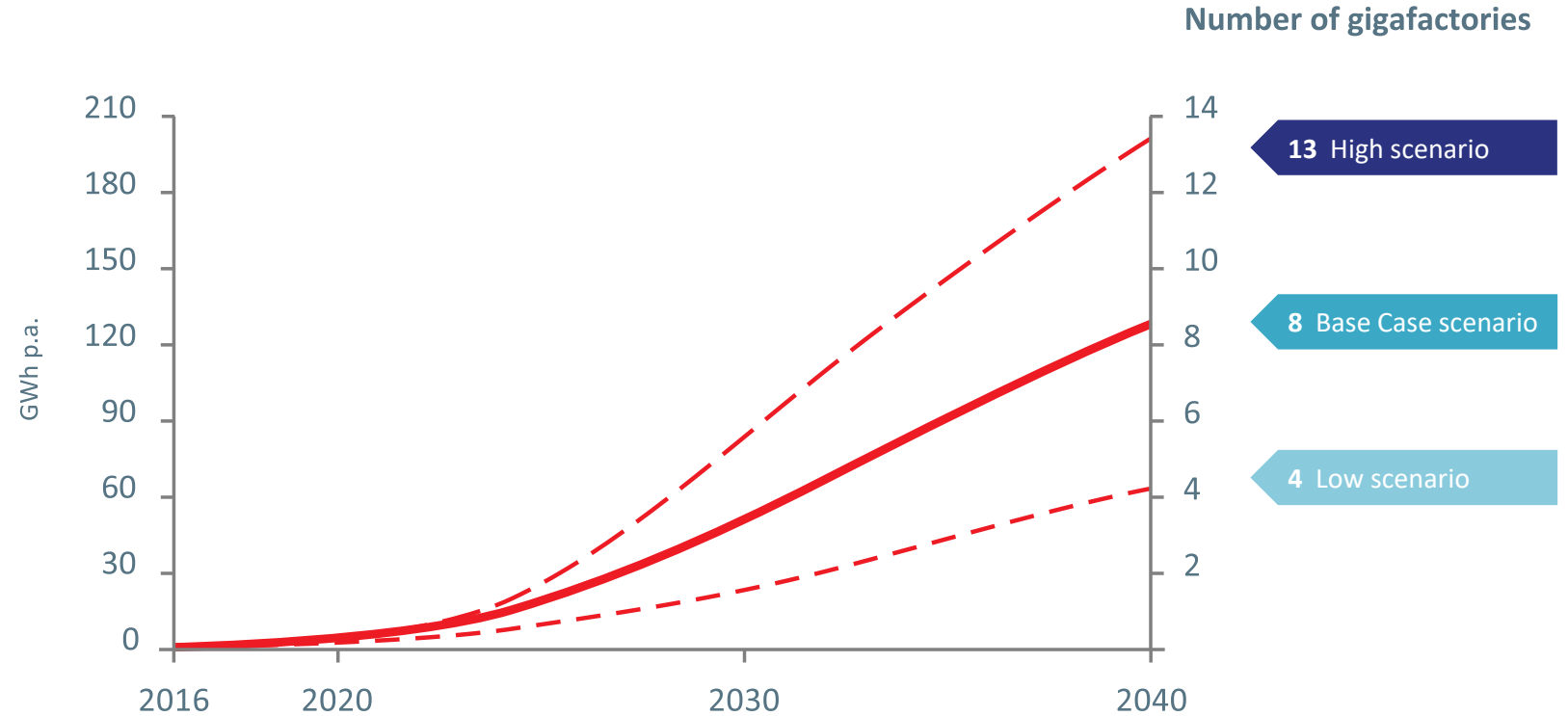
SKILLS DEVELOPMENT - AUTOMOTIVE



IN CONCLUSION



With so much at stake, innovative thinking will play a pivotal role in how central the UK will be in the global race to electrification of transport





Thank you