



Creating a Hydrogen Superpower in the East Midlands

We will drive hydrogen skills, innovation & productivity by



Bringing academic experts and industry partners together to deliver cutting-edge hydrogen research and innovation at Loughborough University's state-of-the-art facilities



Providing a skills exchange at the East Midlands Institute of Technology, degree level, doctoral and postdoctoral programmes



Creating a £40m expansion of Loughborough University Science and Enterprise Park to co-locate a skills ecosystem, incubation and manufacturing, and research and innovation



Novel hydrogen production



Fundamental science



Infrastructure



Applications

Existing capability

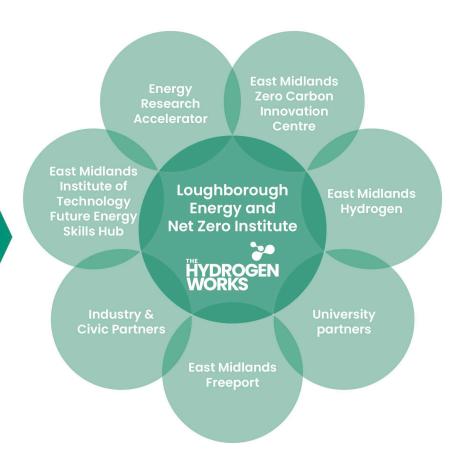
Battery-electrolyser Seawater electrolysis Solar panel technology Biohydrogen & alcohol synthesis

Solid state storage

Chemistry Loughborough Materials
Catalysis Characterisation Centre
Membrane separation
Analytics

Power electronics Supply chain Skills and microgrids User acceptance CDTs Policy / Regulation C-DICE Economics EMIOT HyDEX

Aerospace (National Centre for Combustion and Aerothermal Technology) Powertrain (Caterpillar Innovation and Research Centre) Tribology Fuel Cells





The Hydrogen Works will deliver



A development platform for industry leading to increased productivity and inward investment for the Midlands



Outstanding research

and innovation with demonstrable commercial translation and impact Shared facilities for research, manufacturing and training



A future workforce for the clean energy economy through training and skills New, good jobs and career progression

60+ industry and public partners engaged in £12.7m green hydrogen skills training centre





















































www.hydex.ac.uk







partners



