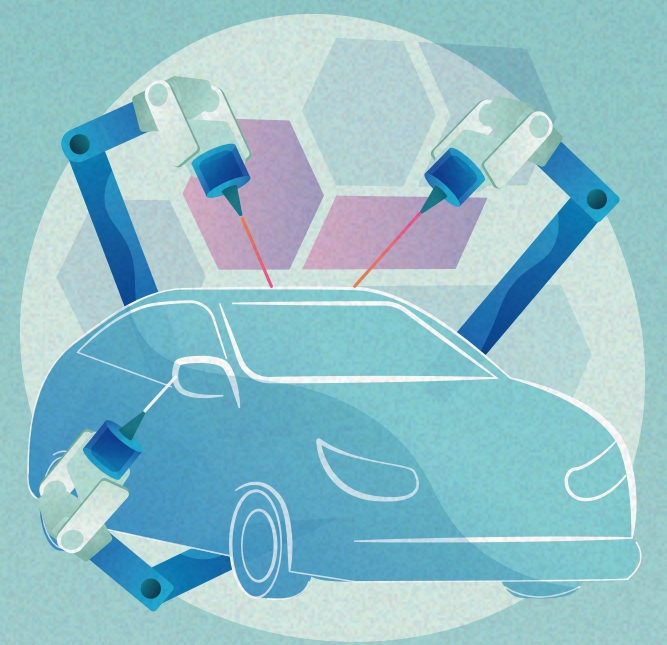
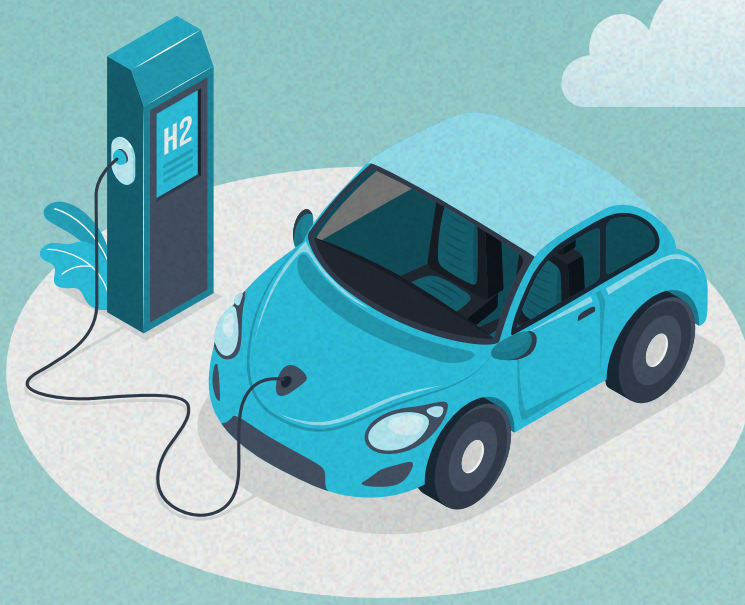
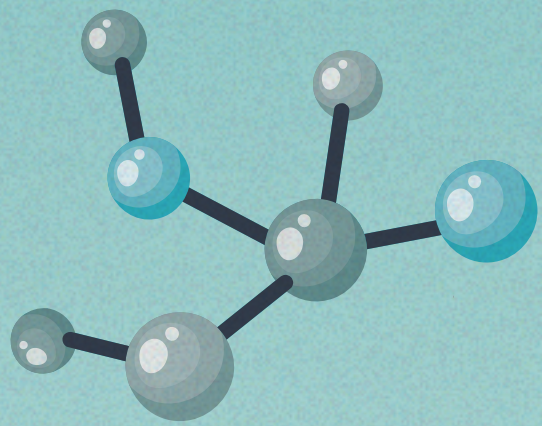




MATURING THE PRODUCTION STANDARDS OF ULTRA-POROUS STRUCTURES FOR HIGH DENSITY HYDROGEN STORAGE BANK OPERATING ON SWINGING TEMPERATURES AND LOW COMPRESSION



MAST3RBOOST AIMS TO PROVIDE A SOLID BENCHMARK FOR **COLD-ADSORBED HYDROGEN STORAGE AT LOW COMPRESSION (100BAR OR BELOW)**

THE MACHINE LEARNING-IMPROVED, ULTRA-POROUS MATERIALS WE'VE DEVELOPED **CAN INCREASE THE HYDROGEN STORAGE CAPACITY** OF ON-BOARD FUEL CELL AND HYDROGEN (FCH) BATTERIES

BY DEVELOPING THE **FIRST WORLDWIDE ADSORPTION-BASED DEMONSTRATOR AT THE KG-SCALE**, WE ARE OPENING A DISRUPTIVE PATH TO MEET INDUSTRY GOALS AND CONTRIBUTE TO A **CARBON-NEUTRAL EUROPE BY 205034**.



Funded by the European Union

Funded by the European Union under grant agreement 101132652. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them.