

Mr Chris Harley

He is s a developing professional engineer with a strong academic and practical background in multidisciplinary engineering. He holds an MEng in Ship Science and Naval Architecture from the University of Southampton, which provided him with a solid foundation in applied mathematics, fluid mechanics, thermodynamics and structural analysis. He is currently studying for an MSc within the Department of Electrical and Mechanical Engineering, supervised by Cranfield University, where his work focuses on energy systems, construction engineering, power infrastructure and sustainable technologies.

At Mott MacDonald's Building Health Team in Bristol, he worked as a design engineer on live NHS healthcare projects. His responsibilities included MEP design, cooling-load analysis, mechanical ventilation design, fan and louvre selection, hydrogen mitigation, fire-safety coordination and BS 7671 cable calculations. He also contributed to ventilation schematics and environmental design matrices for several healthcare facilities.

During his Kier Construction placement, Mr Harley worked on a 2.5 MWp solar array with 15 MWh battery energy storage, coordinating subcontractors, managing safety, reviewing site risks and proposing cost-effective engineering solutions. His profile demonstrates strong technical judgement, design capability, research awareness and clear communication within multidisciplinary engineering teams.

Mr Harley worked on several research projects, all of which were published in IEEE conferences.