



SALFORD UNIVERSITY MASTERPLAN SALFORD, UK

The University of Salford employed BuroHappold Engineering to develop its 2050 energy and utilities master plan. By consolidating two campuses into one, this strategy will provide students and staff with a sustainable, accessible place to live, work and study.

To meet the Higher Education Funding Council's energy and carbon targets we had to fulfil a number of criteria, including reducing the university's reliance on fossil fuels and overall emissions by 48%. In response, we undertook computer modelling of seven possible designs in order to predict the energy use of the new campus, then compared our results with those from the surveys we had carried out on the existing utilities systems to work out optimum routes and capacities.

We worked closely with the wider project team to integrate our energy and utilities strategy into the overall masterplan, preparing a cost-effective route map that would enable the university to meet its 20 year targets. To ensure the handover to

contractors and their subsequent delivery of our utilities design was seamless, we reviewed existing university policies, guides and strategy documents so that we could plan the construction programme in line with them. A phasing strategy was also developed to further minimise disruption of day to day life on campus.

Another vital part of our role in this project was developing a sound business strategy that would encourage investment in the campus infrastructure. Our business and financial modelling experts worked closely with the university's estates team to develop a robust case that has successfully attracted investors in the scheme.

Our willingness to collaborate with the project team, stakeholders and investors enabled us to create a holistic strategy in line with our client's vision and targets. We have ensured the university meets its ambitious energy and carbon targets, resulting in its bright and sustainable future.

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University of Salford

ARCHITECT
Stride Treglown & Hawkins Brown

PROJECT VALUE
Confidential

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BUROHAPPOLD**
Sustainability, building services engineering (MEP), energy consulting, infrastructure and utilities engineering
