

SMART SPACE | EDUCATION

Effective and efficient design.



1. Southampton Solent University
2. Manchester Metropolitan University Business School
3. Dr DY Patil University

Enhancing the learning environment.

Learning environment in university buildings has a direct influence on the performance of the students. Efficient layout and congestion-free circulation design, integrated with lighting and environment control has a major influence on the learning environment. Circulation modelling enables the design team to identify potential problems in terms of space provision and saves cost by optimising the design for comfort, safety and management.

Buro Happold's people movement consultants have extensive experience in the analysis and modelling of student movement within new-build and renovated higher education buildings. By forecasting activity patterns and flow rates, our consultants can optimise the provision of routes, entrances, exits and stairways to improve ease of circulation and reduce congestion - all of which enhance the performance of the university in the long term.

By considering how students move through the building and utilise the spaces provided, our simulations enable the design team to assess the consequences of a proposed layout for safe student and staff circulation under routine and emergency evacuation conditions. We work closely with the developers, architects and the university management bodies to enable assessments that account for factors such as architectural design, operational strategies, resource provision, structural and service design and security.

Our depth of experience means we can provide extremely quick but thorough one-off assessments on an existing design, and also ongoing support on projects from concept to detail design and post-occupancy evaluation. Our state-of-the-art simulation tool SmartMove enables us to rapidly assess and optimise a number of design options under different scenarios.

Our range of experience includes London School of Economics, Exeter University Forum, Huddersfield University, Southampton Solent University, Dublin Institute of Technology, MMU Business School, University of Bristol, and DY Patil Management School Navi Mumbai. Our people movement consultancy on the Thomas Deacon Academy fed back the following comment from Foster+Partners: "Buro Happold's people movement consultancy has been very good...most innovative".