



## UNIVERSITY OF HUDDERSFIELD SHOREHEAD BUILDING HUDDERSFIELD, UK

The new Shorehead building for the University of Huddersfield will be an iconic building, instantly recognisable and creating a landmark for the area.

The building will provide vital new teaching space for up to 2000 students including: 4 large lecture theatres, general teaching spaces and new schools for Music, Humanities and Media, and Business & Law. The building will also house offices, social space and meeting rooms. Key to providing a successful learning environment is the comfort, efficiency and safety of the students as they circulate the building.

Buro Happold's people movement study uses our Smart Space methodology to review and optimise the layouts, circulation elements, and operational planning within the new Shorehead building.

Modelling the activities and movement patterns of students over a peak class changeover scenario, this study assesses measures that enhance the experience of students, including:

- Flow-rates and capacities
- People densities
- Travel distances
- Visibility
- Congestions and bottlenecks

Working with BAM gathering data informed inputs to the high level review and dynamic modelling of day-to-day circulation within the new building.

Modelling included flow diagram mapping, visibility and accessibility analysis, and dynamic simulation to test the organisation of various events within the proposed design.

This allowed us to help the design team in optioneering the various layouts and processes within the new design.

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People Flow & Space Analysis

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