SMART SPACE
Putting people at the centre of your spaces and environments.

All spaces have something in common – they must be created with people in mind.

Do you want the building or environment you are creating to feel inviting, free, and uncongested? It is not merely for safety and security, but to provide a rich experience to visitors which encourages them to come back. Commercially this can have two impacts: increased revenues and cost savings to owners.

People are at the heart of our design process. Our service helps to define efficient spaces where people feel comfortable and secure but are also able to achieve bottomline results for clients operating in commercial environments. We use modelling to assess the interaction of people with buildings, processes, and environments. This provides an evidence based approach with powerful results – to assess performance of designs and operations so they can be optimised.

The benefits of our work can be far reaching and range from improving human productivity and contributing to wellbeing, to achieving cost savings, maximising revenues and effective operational management. Places are nothing without people and people are nothing without places: our work seeks to integrate the relationship between the two.

How do we do what we do?

We use sophisticated tools for automated sensing, spatial analytics, predictive flow simulations, and big data visualisation.

For example, our bespoke simulation tool, SmartMove, allows for rapid ‘optioneering’ of a range of design and operational scenarios. Whether this impacts the positioning of elements such as reception desks, doors, stairwells and corridors, the operational sequencing of the use of facilities or even, arriving at the best shape for a building, can be demonstrated with SmartMove.

SmartMove’s intuitive drag-and-draw interface, integration with BIM, real-time feedback, and rapid sensitivity analysis capability make it a unique tool for exploring early stage design options as well as operational planning.

SMART SPACE SERVICES INCLUDE:

- spatial layout optioneering and optimisation
- visibility, wayfinding and accessibility analysis
- retail footfall and revenue enhancement
- operational efficiency improvement
- pedestrian flow and interaction modelling
- process and logistics modelling
- fire evacuation, security and traffic analysis
- masterplanning
- big data visualisation
- dashboards for realtime performance monitoring

CONTACT
London +44 (0) 20 7927 9700
Bath +44 (0) 1225 320 600
Shrikant.Sharma@BuroHappold.com
smart.burohappold.com

1. Royal United Hospital optimised existing facilities from 32% up to 60% capacity
2. We averted disaster for the new Elbphilharmonie by managing the flow of visitors
3. The Natural History Museum achieved a fivefold jump in retail sales by Smart Space analysis of the visitor journey