

# SMART SPACE

Putting people at the centre of your spaces and environments.



1. Olympicopolis: optimisation of masterplan for connectivity, shared use and views
2. London 2012 Olympics Media Hub
3. Legion simulation of Makkah Holy Mosque

## 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