Case Study
National Maritime Museum

Client: National Maritime Museum

Start Date: February 2009

Duration: 2 months

Context

The National Maritime Museum was planning to add a major new wing to the existing building, the Sammy Ofer Wing. Scheduled to open in 2012, the new wing would house a dedicated special exhibition space and archives. It would be accompanied by a new main entrance to the south and open up access routes from Greenwich Park and the Royal Observatory.

Objectives

Atkins Intelligent Space was asked to review the current circulation patterns and to model pedestrian flows in order to assist the operations team in understanding how to manage different scenarios (including blockbuster exhibitions, corporate events and openings).

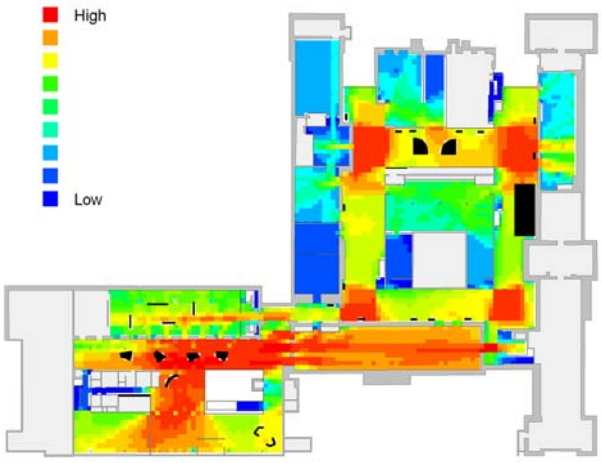
Services Provided

The following services were provided

- Flow, path following and static space use surveys
- Spatial analysis
- Pedestrian movement modelling
- Level of Service analysis

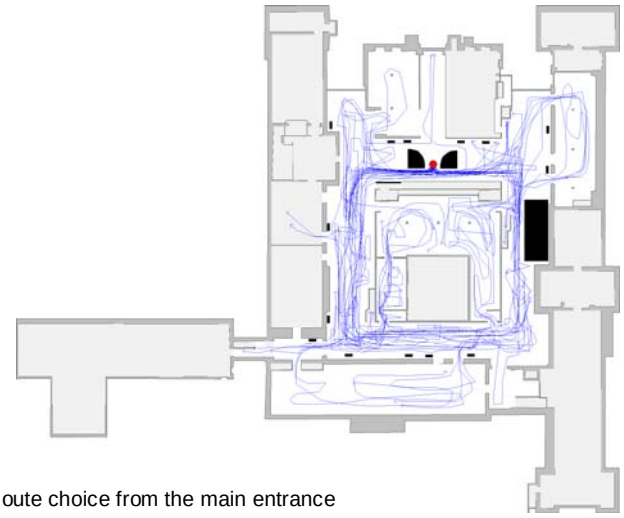
Key Benefits / Success Factors

- The survey results were used to inform the modelling
- The pedestrian model allowed predictions of visitor activity throughout the museum
- The spatial analysis and level of service analysis identified key issues in terms of circulation and crowding



Visibility of the masterplan (Ground floor)

Proposed Modelled Flow during the Peak Hour (15:00-16:00) during a Blockbuster Exhibition



Route choice from the main entrance