



WELLCOME COLLECTION LONDON, UK

The Wellcome Collection is a private museum which attracts in the region of 400,000 visitors annually. This number is expected to grow to over 750,000 people and as such the building requires additional circulation capacity to cater for this increased demand. BuroHappold's Smart Space were appointed by the Wellcome Trust to test and optimise the space planning and assess the adequacy of the means of circulation within the development design under critical scenarios such as peak arrival, mid-day movements, peak departure and one-off building wide events. Our analysis assessed and helped shape the circulation layouts and internal spaces such as corridors, stairs, security lobbies/gates, as well as lift lobbies (alongside the VT consultant). Following a review of the existing drawings for the museum, a number of recommendations were made to develop the designs. These initial recommendations were informed by a concise piece of static analysis supplemented with dynamic modelling,

on the back of extensive data collection with the museum.

A detailed piece of analysis was then undertaken to review the operations during peak days, when the temporary galleries were at capacity with the existing queue continuing out the museum door onto the street. This analysis reviewed multiple design and demand scenarios, identifying optimum strategies for queue management, security checks and general operations.

The analysis allowed the client to review different operational scenarios dependent on the type of event being run, as well as providing confidence that the new design would increase capacity in the galleries, vertical circulation and general concourse/queuing space. A key outcome of the analysis was optimising the orientation of the entrance stairway to minimize crossflows and reduce congestion in the entrance area.

CLIENT
Wellcome Trust

ARCHITECT
Wilkinson Eyre Architects

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