



THE NEW PAPWORTH HOSPITAL CAMBRIDGE, UK

The new state of the art Papworth Hospital on the Cambridge Biomedical Campus will provide a first-class environment for patients and staff, supported by a range of services from co-located organisations.

Key to the success of the Hospital is the experience of patients, visitors and staff.

Comfort and safety during movement is a major factor in defining this experience. The building spaces and how they are managed have a direct impact on comfort and safety.

A holistic integrated approach to spatial design, people movements and activities, and operational management of the hospital is necessary to deliver a successful building.

BuroHappold's Smart Space team were enlisted to apply our Smart Space methodology to understand the key flows within the reception area of the new Papworth Hospital.

Modelling the complex activities and movement patterns of patients, visitors

and staff during the peak hour of a typical day in the life of the hospital, this study assesses key measures (e.g. visibility, travel distances, and congestions) that enhance the experience of all users of the hospital.

Our focus was the main reception atrium and primary circulation links to the outpatient atrium and inpatient floors.

Key areas analysed include:

- Main entrances – principally the North and South revolving doors.
- Main reception desk – operated primarily as a meeting and orientation point.
- Visual accessibility and congestions associated with the internal hospital design.
- Waiting areas within the reception atrium.

Working closely with the client's design team a number of conclusions and recommendations were drawn and overall the analysis showed that the hospital

design would operate, within a set of key operational parameters.

The new Papworth Hospital will be constructed over the next three years and open to patients in early 2018.

CLIENT
HOK International Ltd

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