



KING'S WATERFRONT LIVERPOOL, UK

The development provides a 10,000 seat arena, while the convention centre adds a 1,350 seat auditorium, multi-purpose hall and exhibition space. With the ability to accommodate events from concerts to ice shows and sporting events, the facilities have been designed to be extremely flexible.

The form of the arena and seating bowl are presented as a horseshoe, configured around the footprint of the 30m x 60m ice floor. Its open end allows good access at arena floor level through to the hall, allowing for shared exhibitions between the two spaces.

Our crowd flow consultancy included modelling of pedestrian usage scenarios for the Kings Waterfront development site. After outlining the parameters and critical assumptions, two worst case scenarios of pedestrian usage of the site were modelled and visualisations produced.

The background data used in this study was taken from the Transport Assessment. From this we gained information on such

as tram operations on the site, together with the likely modal split associated with the arena visitors; proportion of visitors using a tram, taxi, bus, car, walking modes of transport. Additional data was also gathered from a survey at the 10,000-seat Sheffield Arena and discussions with stakeholders.

A report was produced that presented a detailed account of the crowd level around the area and the impact of the development on the site. The analysis also informed the bridge width required across the docks and the circulation provisions around the arena; stair locations and widths, walkways, free space for statues in the piazza.

CLIENT
Liverpool City Council

ARCHITECT
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