



KURSKIY INTERCHANGE MOSCOW REDEVELOPMENT, MOSCOW

In December 2011, the Buro Happold Smart Space team was appointed by Weston Williamson to undertake passenger flow modelling on the concept design of Kurskiy Station in Moscow. The modelling included passengers interchanging between the suburban terminating platforms, long-distance through platforms, multiple metro entrances, buses and taxis as well as local retail and the proposed development being designed as part of the project.

The main aims of the project were to confirm that the design would operate at appropriate levels of service during peak movements, both base case and with the addition of the future development proposals. Sensitivity tests were undertaken on the retail centre attached to the station complex, simulating it being open or closed, as this provided different passenger routes to be assessed.

The key outcomes of the work were passenger density and flow maps and analysis to determine the appropriate

widths for key corridors, stairs and escalators as well as the volumes of people utilising waiting areas in the concourse. Analysis on retail footfall and the interaction of the different land uses fed into the architectural design of the station.

CLIENT
Weston Williamson

DURATION
December 2011 - February 2012

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BUROHAPPOLD
Smart Space – People Flow & Space Analysis