



AL HARAMAIN HIGH SPEED RAIL SAUDI ARABIA

The Haramain High Speed Railway (HHR) between Makkah, Jeddah and Madinah will be a very important step in improving the transportation needs along this busy corridor, with the additional benefit for foreign pilgrims, who travel to the Kingdom of Saudi Arabia to visit the holy places.

Buro Happold's people movement consultancy team worked with Fosters & Partners to inform the current station design layout and plans for a typical platform plan, assumed to correspond to the busiest station on the network proposed. We engaged at two levels:

1. High level assessments including demand forecasts, transport appraisals, and preliminary design advice on such as station planning, platform widths, etc.
2. Detailed assessments and detailed design advice for the stations.

With a focus on improving passenger experience, the study looked at all aspects of stations design, including platform width, escalator and lift requirements,

ticket barriers, security X-ray units, ticket machines, multi-modal transport links, etc. Conceptual design decisions are driven by several what-if scenarios and sensitivity analysis against various design, operational, and population parameters.

CLIENT
Saudi Rail Organisation (SRO)

ARCHITECT
Foster+Partners

DURATION
2009– 2009

SERVICES PROVIDED BY
BUROHAPPOLD
Smart Space – People Flow & Space Analysis