



## LOUVRE INTERNATIONAL MUSEUM ABU DHABI, UAE

Saadiyat Island has been earmarked by the Emirate to be developed as THE cultural district which will put Abu Dhabi on the map as a reference for the arts, education and communication between civilizations and cultures. The Abu Dhabi Louvre will play a major role in achieving this goal.

BuroHappold's Smart Space were appointed to build an overall picture of people movement within the Louvre, integrating design and operational solutions to potential congestion issues. Our crowd flow consultancy team's role is to assist the design team in ensuring the Museum works as an integrated, cohesive, multi-functional, and iconic public space.

Using latest people movement simulation technologies the work focuses upon reviewing and informing the design and management of the museum in relation to crowding levels, queues and comfort.

Static calculations, network analysis and dynamic modelling are used as appropriate to analyse key areas within the museum including those where any

concerns have been raised either by the client or identified during the initial review. Several scenarios have been considered including peak day peak hour arrivals and counterflow of various profiles of visitors including: school groups; adult groups; individuals and families. Key items analysed include queuing levels during peak scenarios, conflict points and levels of service within circulation areas. The analysis optimised the number of service desks and staff to ensure the museum would function efficiently during all scenarios and enhance the overall visitor experience.

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