



MADINAH CENTRAL AREA MADINAH, SAUDI ARABIA

The city of Madinah contains the "Prophet's Mosque", al-Masjid an-Nabawi, the second holiest site in Islam after Mecca.

The existing central area of Madinah along with vast residential areas will have to make way for the mosque expansion. The proposed masterplan will accommodate 1 million people, of which 800,000 will be pilgrims and visitors.

Clear distinction between mosque and city area is crucial but the mosque-city interface is to be shaped for "comfort, amenity and efficient circulation".

This frontier should merge the ambience of the mosque area into the broader city and emerge as an "economically vibrant and sustainable, culturally deep-rooted area"

Eight major boulevards radiating outwards from the mosque gates will be implemented to disperse crowds and to establish strong developmental and visual links with the city.

The masterplan for the City of Madinah needs to achieve comfortable, safe and efficient circulation, enhance the Mosque-city interface and improve quality of life for local residents

A range of spatial analysis and dynamic modelling was used to assess, evaluate and inform the masterplan from a holistic view.

Dynamic modelling assessed detailed pedestrian flows at the city scale and localised areas to resolve any potential pinch-points / congestion hotspots.

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