

Jabal Omar Development Project – A Case Study

The Jabal Omar Development Project is a unique urban re-generation scheme for which the estimated budget is \$3.2Billion aimed at providing hotel accommodations, commercial/retail spaces, car parking, public spaces and public amenities to support religious, social and commercial activities to Hajj and Umrah pilgrims during Hajj & Ramadhan seasons located next to the Al haram mosque in Makkah. The project will be cover an area of 230.000sqm with around 2mn sqm of construction including 38 residential towers, hotels, and a Mussallah of 14,0000 sqm that can hold up to 150,000 people.

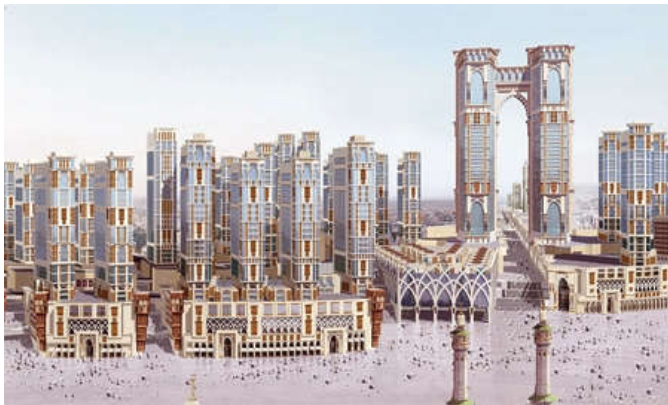
When finished, the urban area of the development will have air conditioned plazas for 100,000 worshippers, open courtyards for 120,000 people and a car park that can accommodate 10,000 vehicles.

Instrom was initially appointed as part of the design team to design the security systems for the Mussallah building (A prayer building accommodating seven floors of prayer hall two floors of car parks and an emergency medical centre). This was followed by appointment as the Security Consultant for and the urban area including a new Command and Control Centre.



The heart of the urban area Security Management is the Command and Control Centre (CCC) which has been designed and developed to facilitate management of all the aspects of life safety, security and mass (crowd) management of the public areas of Jabal Omar Development Project (JODP).

The appointment for the Urban area security systems included the delivery of an initial Threat and Risk Assessment followed by the design of the CCC and Urban area Systems. The CCC includes 6 operator and 2 supervisor desks, an incident room, two offices for Ministry of Interior staff, an equipment room and the associated management and administration facilities. The CCC controls an extensive CCTV system, a public address system, emergency help points and active display signage installed throughout the urban area and interfaces with a management suite which controls the sun shades and fog spray system and monitors utility services throughout the urban area. The security systems are installed throughout a series of roadways and walkways that when in full use can accommodate in excess of 1 million people per day.



In delivering this project Instrom have used their considerable experience in the design of cutting edge security systems Security Management systems for one of the most demanding and prestige developments in Saudi Arabia.

For more information on how Instrom can help with your security needs, please contact us.

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