



## Structural – Abu Dhabi Central Market



### Project details:

The USD 1.2 billion redevelopment features a mixed use scheme encompassing a traditional souq, luxury shopping, high quality restaurants, modern and well-proportioned apartments, two hotels and state of the art office accommodation.

The redevelopment involves construction of a five storey basement for parking with a built up area of 61,000 sq. m. and a three storey souq with a built up area of 26,000 sq. m and parking for over 5,000 cars. The 88-storey residential tower will be 382 meters high, currently the tallest tower on Abu Dhabi's skyline. It houses 489 luxury apartments. The five star hotel tower, 55-storeys high, with 279 rooms and 132 serviced apartments. The office tower, 58 storeys of prime office space, while the smallest tower of 16 storeys, being a four star hotel with 212 rooms.

A retail bridge will also be constructed crossing Khalifa Street, the main high street in Abu Dhabi, it is this bridge that benefits from the use of Lytag® lightweight aggregate concrete (LWAC), reducing the insitu dead weight. In excess of 3000m<sup>3</sup> of 40Mpa Lytag® LWAC being supplied for the decking and concourse areas of the structure.

### Project:

Abu Dhabi Central Market redevelopment

### Date:

2010

### Client:

ALDAR Properties

### Architect:

Foster & Partners

### Structural Engineer:

Halvorson & Partners

### Main Contractor:

Car Park – Mushrif National Contracting  
Souk and Buildings - Arabian Construction Co.

### Readymix supplier:

Readymix Abu Dhabi /  
ALDAR Readymix

