# Project

## Al Bidda Tower, Doha, Qatar

The tower is one of the many projects that have been constructed in the West Bay of Doha. At up to 234 metres height the building with its twisting and turning curves resembles a cobra, is rising up as if challenged.

In all, 43 office floors crowned with a huge atrium-style penthouse floor and a seven-storey car park building, able to house up to a thousand vehicles, situated on a single story basement which connects both structures.

As such there is not a single straight element in the main tower building with all columns inclined and all beams and floor shapes of a different form. The tower includes commercial space, business centres, showrooms, restaurants, an art gallery, outdoor café and health club.



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| **Location** | West Bay of Doha, Qatar |
| **Client** | Platinum Tower Company |
| **Contractor** | BAM Higgs & Hill and ACC |
| **Contract period** | June 2005 – May 2009 |
| **Contract sum** | AED 287 million (EUR 59 million) |

*'The glass façade panels in triangular shapes give the building a very unique and distinctive appearance.'*

## Design changes

It was a great challenge for BAM to deal with major design changes to the concrete structure, structural steel works, MEP and landscaping works.

## Details of tower façade

To illustrate its complexity, a few details of the tower façade:

It consists of 93 pre-assembled main frame panels per floor. Only four glazed sum-frames are alike on each floor, which means 85 different sizes per floor. There are 3,700 different sizes of glazed sub-frame for the whole tower. The average installation time per floor was one week: there are 43 floors.







## Only the best

Working with only the best subcontractors is a must for these kind of striking buildings in modern architecture in the Gulf. On the design and supply side they had solid engineering resources and the latest 3D modelling utilities. On-site execution of the works were backed up by solid local subcontractors with sufficient skilled manpower.



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