

Case Studies

Project : Grand Mosque
Location : Abu Dhabi, UAE
Main contractor : Six Construct
Consultant : Halcrow
Installation area : 145.000 Sqm

The Grand Mosque is the second largest mosque in the world and due to its landmark status all of the facade was cladded with white sivec marble from Macedonia. HAZ Metal offered its services for the design and supply of grade 1.4401 (AISI 316) stainless steel fixing systems. There were many different type of wall backings, projection sizes and loadings. Each fixing location was studied separately and a bespoke system was designed and delivered to site for the works to commence. In total 600 tons of 1.4401 (AISI 316) grade fixing systems was delivered to the project for the facade works.

1. The mosque with stone cladded four large domes and the entrance to main praying area.
2. Top of pillars located at the base of the domes.
3. Stone cladding at the gate with large protrusions.
4. Minaret at 38 metres height with the whole area cladded with stone.
5. External Columns
6. Internal columns
7. & 8. Stainless steel sub channel fixing used for the installation of the dome.
9. The top of the dome where the panels are fixed with anchors.

