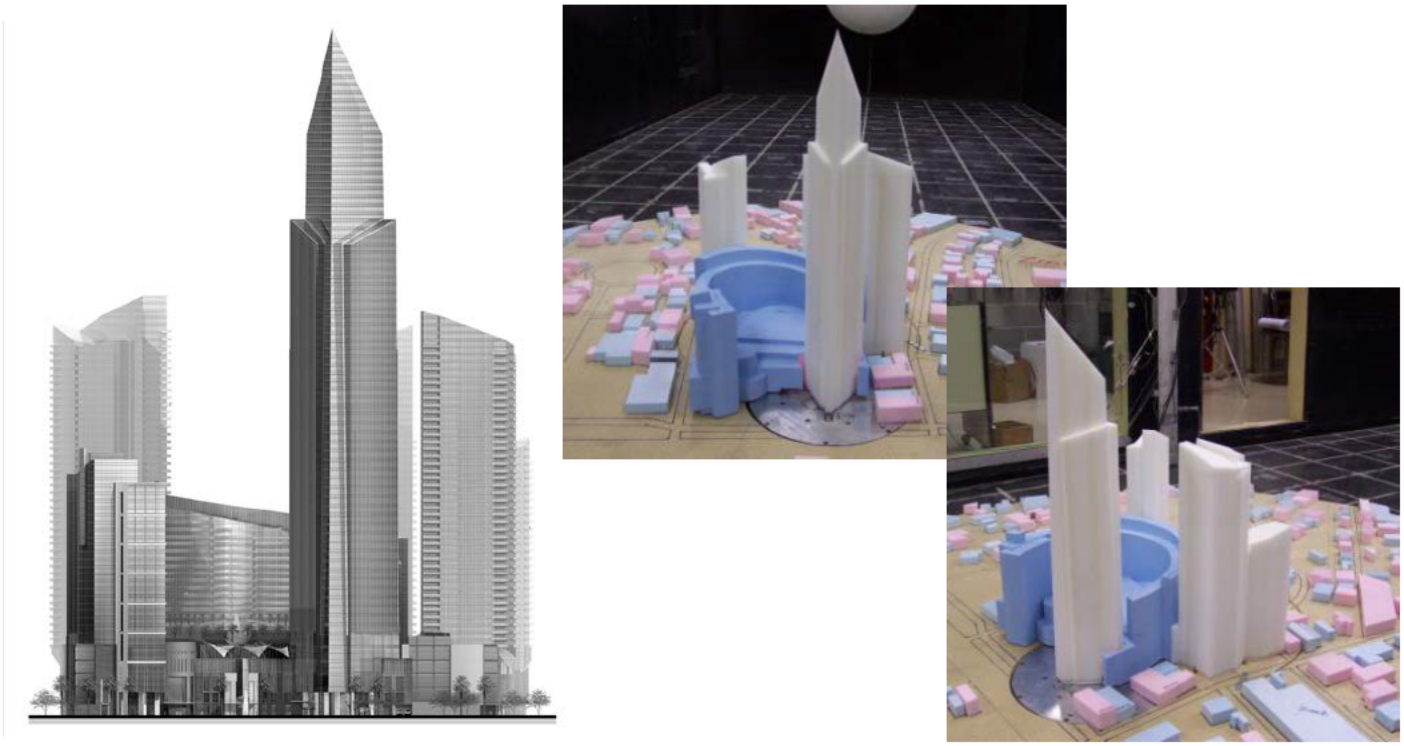
Mabarak Center, Lahore, Pakistan

Wind Engineering Study



Client Leslie E. Robertson Associates R.L.L.P.	*Structural Engineer* Leslie E. Robertson Associates R.L.L.P.	*Contractor* Hellmuth, Obata + Kassabaum Inc
Height Office/Apt Tower – 60 storeys Apt Tower X – 20 storeys Apt Tower Y – 25 storeys Apt Tower Z – 25 storeys	*Owner* Joint Venture between the Abu Dhabi Group and the Government of Punjab	*Model Scale* 1:400

The Project

The Mabarak Center will have three residential apartment buildings, an exclusive shopping/entertainment complex and a 5-star 60-storey Grand Hyatt Hotel and the largest reception/ conference halls in the country. There will also be offices for multi-national companies and large local private and public corporations.

The Wind Tunnel Studies

The wind engineering studies included a study of the wind-induced structural loads and responses.

The study of overall structural loads and responses was determined for each of the towers using the force balance technique.

The Boundary Layer Wind Tunnel Laboratory

Western

The Boundary Layer Wind Tunnel Laboratory
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