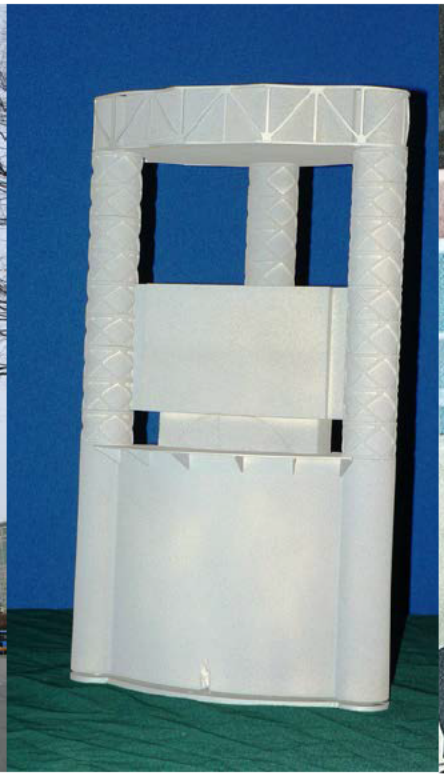
Jongno Tower, Seoul, Korea

Wind Engineering Study



Client	Engineers	Architect
Rafael Vinoly Architects	Structural Design Group	Rafael Vinoly Architects
Height	**Year Studied**	**Model Scale**
132 m	1996	1:250

The Project

The Jongno Tower formally known as Samsung Foruszone is a 24 storey office tower with its very unique top floor restaurant and bar This building was given a gold award for architectural design by the Seoul Metropolitan City in 2000.

The Wind Tunnel Studies

The wind engineering studies for the Jongno Tower included the determination of overall structural loads and cladding loads.

The study of overall structural loads and responses were determined using the force balance technique.

The study of wind-induced cladding pressures was carried out for 623 measurement locations distributed over the tower.

Frame and column design loads were developed using the loads from pressures technique.

The Boundary Layer Wind Tunnel Laboratory

Western

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