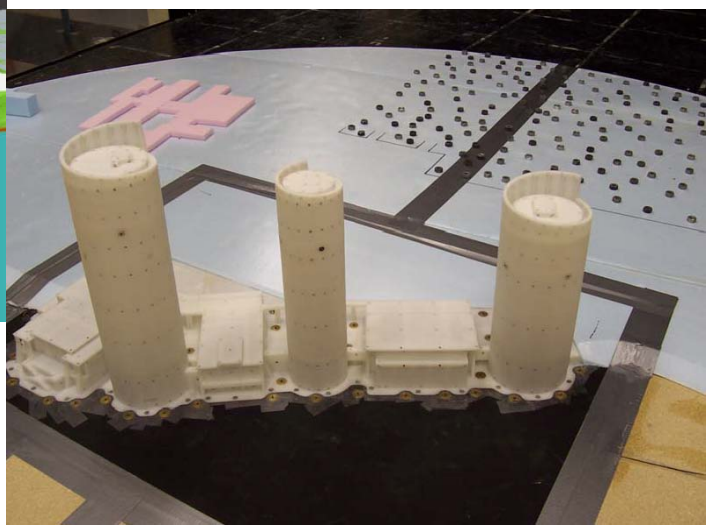
Burj Ul-Behar, Tripoli, Libya

Wind Engineering Study



Client	Architect & Engineer	
The Dar Group	The Dar Group	
Height	**Year Studied**	**Model Scale**
113.2m, 98.3m, 86.0m	2007	1:400

The Project

The project consists of three circular towers linked by low-rise structures. This mixed use development is comprised of a 32 storey hotel tower, 30 storey residential tower and 23 storey office building along with commercial retail and banquet areas in the low-rise.

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The Wind Tunnel Studies

The wind engineering studies for the towers included a study of the wind-induced structural loads and responses, local cladding pressure loads and pedestrian level winds.

The study of overall structural loads and responses for the towers were determined using the loads from pressures technique.

The study of wind-induced cladding pressures was carried out for 809 measurement locations distributed over the towers.

The pedestrian level wind study examined 38 locations in and around the site.

The Boundary Layer Wind Tunnel Laboratory

Western

The Boundary Layer Wind Tunnel Laboratory
The University of Western Ontario
Faculty of Engineering, London, Ontario
Canada, N6A 5B9 Tel: (519) 661-3338 Fax: (519) 661-3339
Internet: www.blwtl.uwo.ca E-mail: info@blwtl.uwo.ca

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