

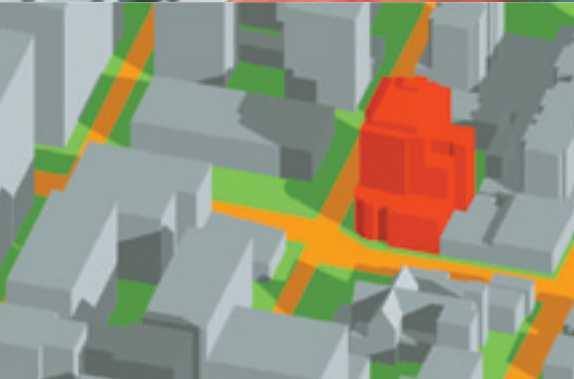
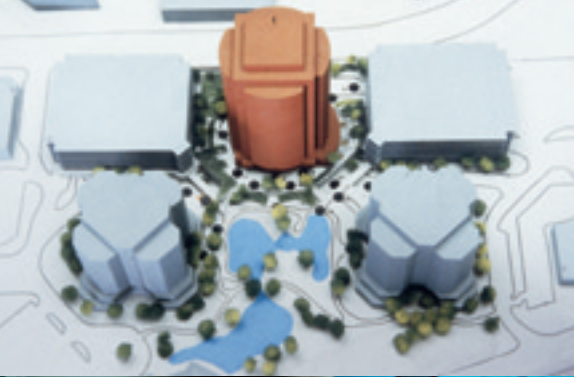
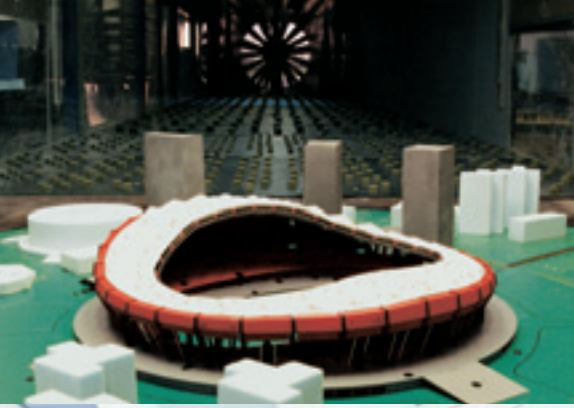


RWDI identifies and solves problems related to:

- | WIND IMPACTS**
- | SUN & SHADOW EFFECTS**
- | THERMAL COMFORT**

RWDI resources include:

- | WIND TUNNELS** – scale model testing in RWDI’s wind tunnels records wind conditions in key pedestrian areas and verifies the effectiveness of solutions
- | WATER FLUME** – scale model testing in the water flume assesses wind flows through flow visualization and develops control measures such as landscaping and wind screens
- | COMPUTER MODELLING** – simulates sun/shadow/glare patterns and provides input for thermal comfort studies



What RWDI can do for you:

- **CONSULTATIONS/DESIGN REVIEWS** – early in the design process, review information and provide recommendations to anticipate and avoid potential problems
- **PEDESTRIAN/SPECTATOR COMFORT STUDY** – evaluate and verify wind flows in key pedestrian/spectator areas, and if necessary, develop solutions using water flume and/or wind tunnel testing
- **SUN AND SHADOW MODELLING** – assess effects of new construction on comfort levels and aesthetics through computer simulation of sun and shadow patterns
- **GLARE MODELLING** – evaluate glare from new construction on drivers in traffic, pilots, or spectators at events through computer simulation of reflected sunlight
- **THERMAL COMFORT STUDY** – assess pedestrian or spectator comfort levels according to temperature, relative humidity, wind speed, sun and shadow, clothing levels, and activity levels
- **BASEBALL TRAJECTORY STUDY** – simulate the direction and distance a baseball travels under various external wind conditions for all types of hits using software developed by RWDI
- **EXPERT TESTIMONY** – specialists provide testimony at government hearings and court cases

Why RWDI?

- 350+ person firm with international reputation
- Proven track record in problem solving
- Versatile expert staff specialized in pedestrian comfort issues
- Fast turnaround time on projects
- Services for SNOW, WIND LOADS, WIND-INDUCED VIBRATIONS, AIR QUALITY, VENTILATION, ACOUSTICS/NOISE/VIBRATION, and INDUSTRIAL PROCESS issues also provided

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