Case Study

Beijing Gold Medal Performance for SolarWall®

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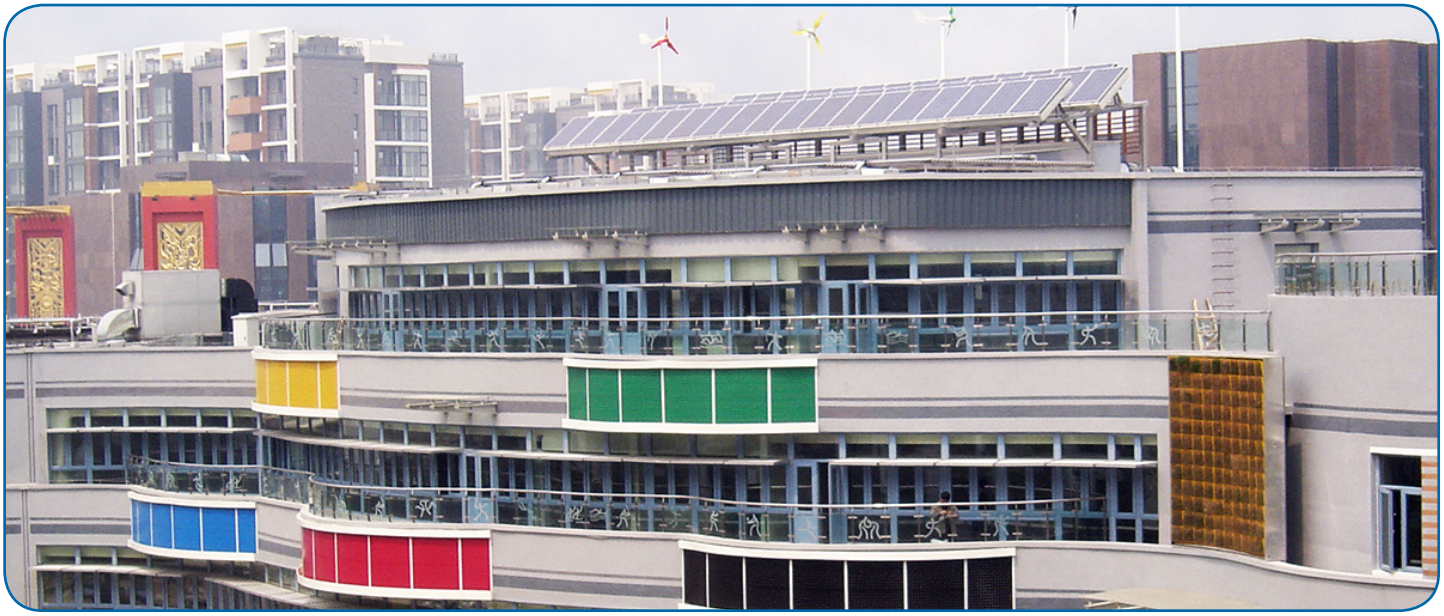

SolarWall® perforated Transpired Solar Collector technology has been specified as part of the aesthetically striking front façade of the Olympic Village in Beijing. The 33m2 curved grey SolarWall® has been installed prominently above five coloured façades representing the Olympic emblem.

This simple, highly efficient renewable technology was integrated into the design of the Olympic Village at the specific request of the Olympic Park developer, who insisted on its use after seeing the results produced from the use of a SolarWall® system two years previously on trailers used by construction workers while the village was being built.

The project was completed through the Canadian SolarWall® office, working in partnership with Natural Resources Canada and the Olympic Village developer.

"…SolarWall® is a great example of the practical and cost-effective clean energy technologies being developed," said The Honorable Gary Lunn, Minister of Natural Resources. "The Beijing Olympic Games offer a tremendous opportunity to showcase this technology to a global audience….."

The building also contains the world's first SolarWall® photovoltaic / thermal system allowing both heat and energy production from one single source, maximising the SolarWall® perforated Transpired Solar Collector technology with photovoltaic's to create a simple and complete energy solution.

The two SolarWall® Panels totalling 100m^2 will generate 10kW of electrical energy and 20kW of heat energy which will be used throughout the October to April period once the building has been converted into its intended use as Kindergarten.

Though there will, clearly, be no heating requirement during the Olympics (the seasonal conditions in Beijing means heat production is currently unnecessary) the SolarWall® is instead presently being used to cool the photovoltaic modules, enabling a much higher electrical output than with a standard photovoltaic system.