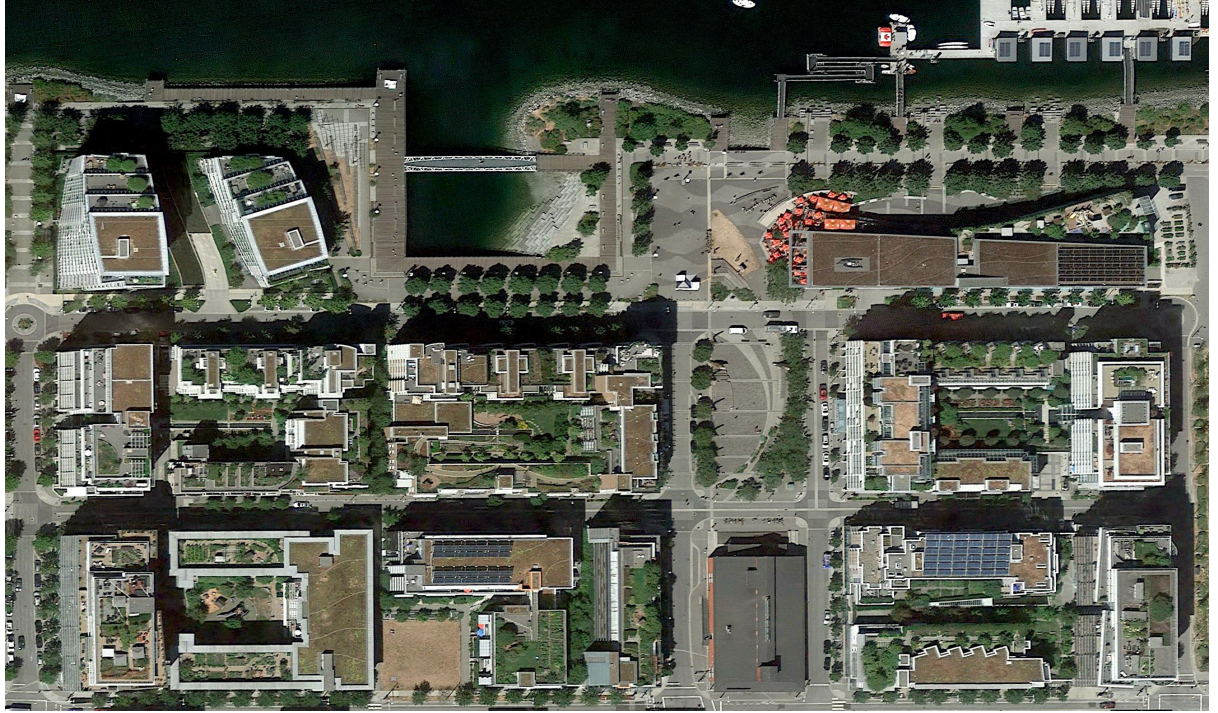




rainwater harvesting, olympic village, vancouver, canada



While the demand for potable water is constantly rising in urban centres, the supply of this resource faces a number of challenges. Therefore, rainwater harvesting for non-potable purposes is a fast growing industry that mitigates this problem. Pawel's extensive experience in designing well-balanced water harvesting systems; based on the local meteorological and evapotranspiration data; unique characteristics of the collection area and estimated water requirements for irrigation or other uses; allows him to assist the clients in optimizing the size of the collection tank, maintaining good quality of the harvested water and significantly reducing the use of potable water.



The Olympic Village built for 2010 Winter Olympics in Vancouver, Canada is one of Pawel's biggest rainwater harvesting projects that supports the irrigation system and toilet flushing requirements for the entire complex. The rainwater from all hard surfaces and the landscaped green-roofs is collected in ten large cisterns located below the buildings. Attractive water features incorporated in each of the ten, independent systems allow for maintaining and monitoring the quality of water. This large rainwater harvesting system saves a significant volume of potable water, while it is aesthetically incorporated in the landscape features of this popular, public space.

