

Leading by Example: Showcasing Results

Learn how one of Canada's most efficient office environments uses Pulse™ to enhance energy performance and validate results.

Committed to Sustainability

The Vancouver Island Technology Park (VITP) is the first project in Canada to meet the US Green Building Council LEED Gold 2.0 certification. As part of their continued commitment to sustainable business practices, VITP uses Pulse to assist stakeholders and building occupants to reduce energy consumption, cut operational costs and minimize the park's impact on the natural environment. VITP continues to provide clients excellence through environmental stewardship by taking their operations beyond LEED standards.



The Vancouver Island Technology Park (VITP) is a 165,000 sq. ft research and high-technology park, housing 31 companies and 1100 employees, with three interconnected buildings located on a 35-acre campus in Victoria, British Columbia, Canada.

vitp.ca

Energy Data to Energy Intelligence

In June of 2010, when using Pulse to review the real-time energy data for the gas boiler system, building energy managers identified a striking similarity between the demand profile for summer and winter months. An investigation indicated that a failure in building controls sequencing was causing the system to heat incoming air, then cool it before reaching occupants. Of particular interest was the magnitude of the gas consumption directly related to this redundant heating and cooling in the system.

Energy Intelligence to Energy Efficiency

Once the Direct Digital Control (DDC) error was corrected, Pulse enabled the managers to ensure it continued to run at optimal efficiency. During the first summer alone VITP saved over \$8,000 dollars in natural gas bills, reduced yearly gas consumption by 6%, and cut greenhouse gas emissions by 35 tonnes. Without the energy data analysis and visibility delivered by Pulse, the energy managers at VITP might never have noticed the mis-configured settings.



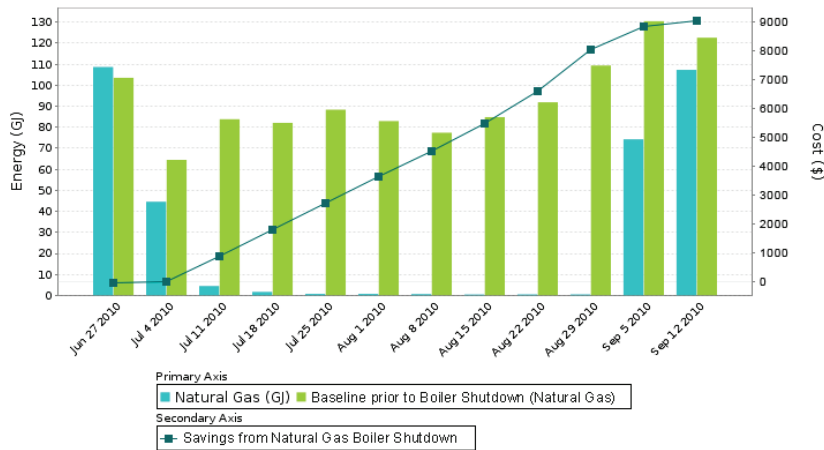
“Monitoring energy consumption in real-time allows VITP to proactively identify energy savings opportunities.”

Dale Gann *VITP President*



Pulse Made it Possible

Using Pulse to continuously monitor energy use in a continuous commissioning project, VITP management aims to reduce natural gas consumption by 40%, electric consumption by 10% and save over \$70,000 a year in energy and operational costs. Using Pulse reporting, VITP will measure and verify that these savings are realized on an ongoing basis. Through real-time alarming, this facility will have immediate notification if the gas consumption exceeds their expected demand.



VITP's Masterplan includes an additional five phases and 250,000 square feet of office and retail space. As VITP expands so will its reputation as an environmental leader. The existing phase of VITP includes the three buildings in the centre of the above image.

“ This operational efficiency, made possible by Pulse™ technology, is equivalent to a 6% reduction in natural gas consumption over the course of a year. ”

Uwe Bartley VITP Facility Superintendent

About Pulse

Pulse Energy helps utilities to improve energy efficiency and customer satisfaction. We do this by enabling commercial and institutional clients to better understand and manage their energy consumption.

Pulse is a scalable web-based software platform that promotes energy intelligence, improves energy efficiency, engages building occupants, and accurately measures and verifies energy performance.