

CASE STUDY

The Canada Green Building Council (CaGBC) is the country's foremost national expert and advocate for green and sustainable buildings. As the voice of the industry in Canada, the CaGBC works to affect change at all levels of the industry, to make every building greener.



LEADING BY EXAMPLE

Since 2002, the Canada Green Building Council (CaGBC), as the exclusive license holder in Canada for the Leadership in Energy and Environment Design (LEED®) rating systems, has made substantial strides toward achieving its mission of reducing the environmental impact of the built environment. The CaGBC has trained over 40,000 green building professionals and supported Canada's green building marketplace in certifying more than one billion square feet of buildings retrofitted or newly constructed to LEED standards in Canada, making the country the third largest market in the world for LEED. With these efforts, the CaGBC and its membership enabled the elimination of 2,490,000 CO₂e tons of GHG emissions annually, the diversion of 3 million tons of waste from landfills, and reduced the need for 24 billion liters of water per year with green buildings.

Jointly owned by GBCI and CaGBC, Green Business Certification Inc. Canada (GBCI Canada) was formed in 2018 to accelerate green building market transformation and impact in Canada. It is composed of and certifies a suite of sustainable industry certifications, including LEED, Parksmart, PEER, SITES, TRUE and WELL.

As the organization grew, so did the need for larger office space. In keeping with its leadership position in the industry, the CaGBC collaborated with industry leaders to demonstrate ways to set an example for what a truly green office environment could be. This set the stage perfectly for CaGBC to work with Superior Essex in the pursuit of their common goals.



Superior Essex cabling provides the top-tier infrastructure supporting CaGBC's data communications.



The Vancouver office prioritizes comfort, health, and wellness in addition to sustainability.

GROWTH THROUGH PARTNERSHIP

Upon settling on an available space in the LEED Canada Core and Shell Development 1.0, Gold certified, and WELL v1 Gold Certified Core and Shell MNP Tower in Vancouver, British Columbia, they contemplated how best to achieve LEED v4 Interior Design + Construction: Commercial Interiors (ID+C:CI) Platinum within their slice of an already impressive green building. Outside of attaining LEED Platinum, the goal for CaGBC's new Vancouver office was simple. In their fight to optimize both the energy efficiency and overall contributions to wellness of the building, CaGBC and their contractors quickly found an ally in Superior Essex.

The cable products offered by Superior Essex were already efficient by design, but because of the organization's commitment to sustainability and transparency, through Environmental Product Declarations (EPDs) and Health Product Declarations (HPDs) for most of their products, the alignment with the CaGBC was clear. Frequently, the most difficult part of most wellness-focused green building projects lies in vetting individual products and materials to ensure they meet rigorous transparency standards set within LEED. Superior Essex separated itself from the pack of cable suppliers by making its sustainability information readily available to partners for green construction projects.

Due to these factors, the usage of Superior Essex cables in the build contributed toward Materials and Resources (MR) credit Building Product Disclosure and Optimization (BPDO) - EPD, and MR credit BPDO- Material Ingredients. Assessing all these factors, it became clear to the project team that Superior Essex was a perfect partner to supply materials for the CaGBC's new Vancouver Office's data and communications infrastructure.

82 LEED POINTS EARNED

25.3% ENERGY COST SAVINGS

39% REDUCTION IN INDOOR WATER USE

87.9% WASTE DIVERTED FROM LANDFILL

THE SUPERIOR ESSEX SOLUTION

"The cable we chose from Superior Essex made a big impact on our final LEED score, especially in the materials category. Their EPDs and HPDs absolutely saved us valuable time checking materials as well."

// Marsha Gentile, Director, Sustainability, Ledcor Construction Limited

To maintain a standard of excellence in sustainability that others could more easily emulate, CaGBC selected the Superior Essex Series 77 CAT6 CMP cable as the backbone of its' data and VoIP infrastructure. The Series 77 product line is designed to provide exceptional value for jobs that require standards compliant Category 6 cable at a cost-effective price. This product was emblematic of the environmentally conscious yet technically, sensible approach to green building that CaGBC works to popularize.

The high level of data and power output, unparalleled safety measures, and environmentally conscious composition of this cable made it the perfect match for the Canada Green Building Council's data, voice, and security needs.

“Our Cat6 cables are distinct in their high performance, small diameter, and ease of installation. However, they truly represent how we lead sustainability by example for Environmental and Health Product Declarations, EPDs and HPDs, respectively.”

// Amir Sekhavat, Global Director of Copper Products for Superior Essex



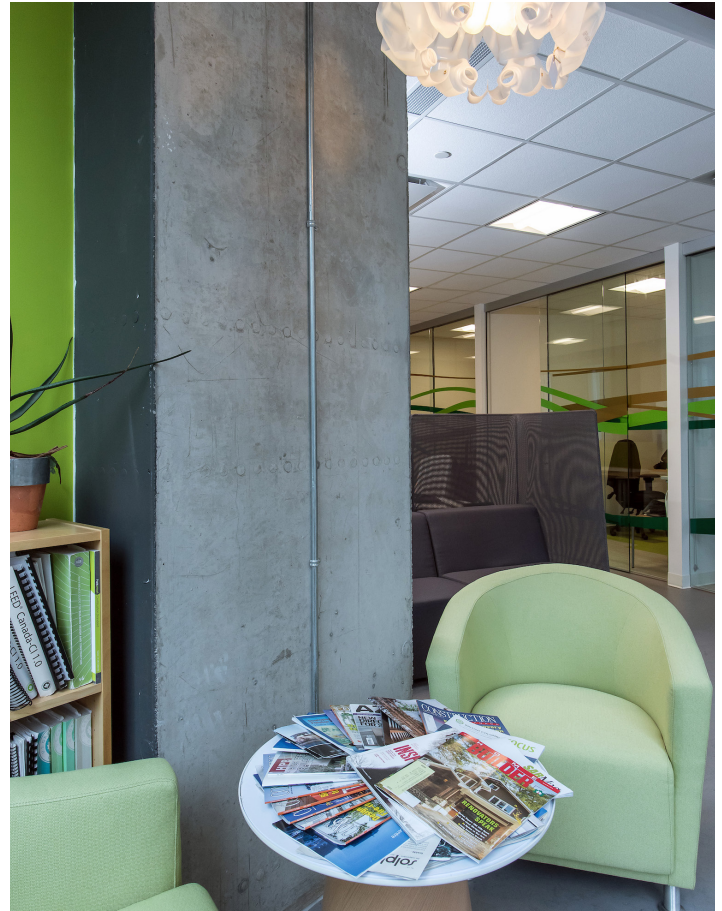
This specialized kitchen is designed with water and power usage reduction in mind.

¹ Superior Essex Series 77 CAT6 CMP data cable.

UPHOLDING A STANDARD OF EXCELLENCE

Today the CaGBC's Vancouver office stands as a testament to the revitalizing capabilities green buildings can have on our health, environment, and greater society. Changes applied to improve the office's overall impact in mitigating climate change successfully reduced water and power consumption to new lows. A third party analysis of the building confirmed that the building has a 25.3% energy savings based on ASHRAE 90.1-2010 standard, has reduced indoor water use by 39% and has diverted 89% of its waste from landfills. After making the move into the new Vancouver office in October of 2016, CaGBC officially obtained LEED v4 ID+C:CI Platinum certification on January 17, 2018 with 82 LEED points earned, making their new office the first commercial LEED v4 Platinum project in the country. The office is also WELL Core certified as an existing building and WELL Commercial Interior certified as a new building.

Having exceeded its already impressive accreditation goal by leaps and bounds, CaGBC also succeeded in setting a practical example for others to follow. That example prominently features significant contribution from Superior Essex, sending a clear message about the viability and proven results gained through partnership with Superior Essex for sustainable building projects of all types. //



Both employees and visitors benefit from ergonomically designed lighting and air filtration systems.



The CaGBC Vancouver office is a testament to the viability of sustainable design practices.