

HOME / SERVICES / ENERGY DESIGN

Energy Design

Energy Design

Voltas is a respected consulting firm for single and multifamily projects in Lower mainland. Our Combined 35 years of experience in Energy Compliance, **Building Envelope** Solutions and Mechanical (HVAC) design give us a unique edge over other energy modelling consultants and energy advisors.

Energy Design In Surrey | Vancouver | BC

Building envelope consulting is a professional service offered by Voltas Engineering that focuses on improving the performance and efficiency of a building's envelope.

The **building envelope** refers to the physical separator between the interior and kitchen of a building, including the roof, walls, windows, and foundation. This is the case in both residential and commercial applications.

Building envelope consulting is important as the "envelope" (think of it as a literal barrier protecting whatever is inside, from whatever is outside) is the first line of defense against the elements and plays a critical role in the energy efficiency of a building. A poorly performing envelope can result in increased energy costs, comfort problems, and even structural damage if not addressed. Building envelope consultants use a combination of technical knowledge, experience, and specialized diagnostic tools to assess the condition of a building's envelope and identify areas for improvement.

The services provided by building envelope consultants typically include air and moisture infiltration testing (this may include blower door testing), thermal imaging, energy audits, and other diagnostic tests. They also provide recommendations for improvements such as air sealing, insulation upgrades, and window replacements to improve the performance of the envelope.

Building envelope consulting is often performed during the design and construction phase of a building project, but it can also be performed on existing buildings to improve their energy efficiency and comfort.

Voltas Engineering has the technical and theoretical knowledge to set you on the right path. By using our consulting services, we can help you achieve a **Net-Zero Home**, increased energy efficiency, lower costs, rebates and subsidies, new technologies, and faster processing times when aiming toward final occupancy. Keep in mind that after our consulting, our mechanical department and building envelope department can help you design the recommendations into reality. We are just a phone call away at (604) 593-2293 or an email away at info@voltasengineering.com – please contact us and we would be happy to help!



Our Accreditations

SUBMIT REQUEST



Call Us

+1 604-593-2293



Email Us

info@voltasengineering.co



Location

#211-8433 132 Street,
Surrey, BC, V3W 0A6



