

Design Focused on You And Your Goals



Mechanical Engineering & Design

Elite Engineering & Design is a Kamloops-based mechanical engineering and technical services consulting firm providing clients innovative and practical solutions to their project needs. We work closely with our clients from concept to commissioning to optimize efficiency, reliability and safety of their projects through years of experience coupled with sophisticated 3D modeling software.

We provide specialized services in the following areas:

- Field Engineering / Site Visits
- Patent Application Assistance
- Machine / Equipment Design
- Building Energy Simulation / HVAC Sizing
- Finite Element Analysis (FEA)
- Computation Fluid Dynamics (CFD)

To have a complete appreciation and understanding of your project, we are happy to travel to your site to take detailed measurements & field notes of your existing layout as well as attend any important project meetings. We utilize the most advanced measuring technology to ensure we have the most accurate information on your project. We are fully licensed, insured and bonded and we value your confidentiality so you can trust your investment through every step of the design process.

Building Energy Simulation

Maximizing efficiencies and cost effectiveness requires tools that quantifiably measure the energy savings of a building, its impact and the various alternatives for optimizing green building design and effective sustainability.

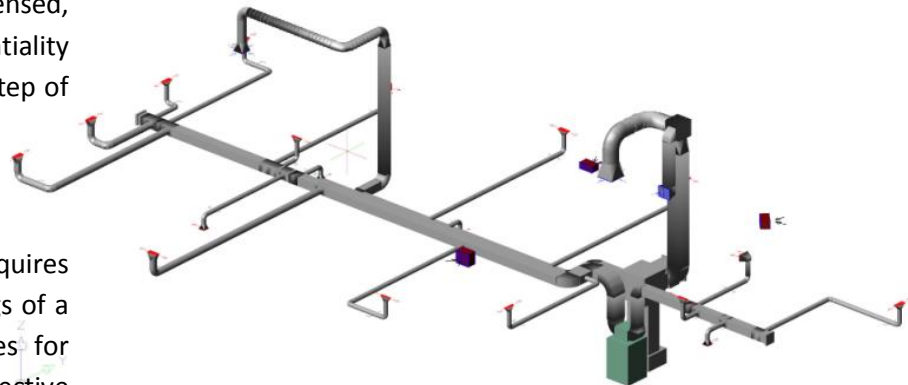
We collaborate with architects, mechanical and electrical designers and owners to evaluate various design choices. Building energy simulation provides the greatest value if commenced during the design process, providing timely guidance and performance information for the various design options under consideration.

By evaluating how design, construction, operation, maintenance and renewal decisions impact the energy performance of a building, we aim to guide the team towards a cost-effective, energy efficient facility.

Detailed CAD Services

We provide extensive HVAC CAD Services support to construction companies, fabricators, and manufacturers with professional CAD services such as:

- HVAC Layout Drawings
- Detailed Ducting Drawings
- HVAC Shop Drawings
- Piping Layout Drawings



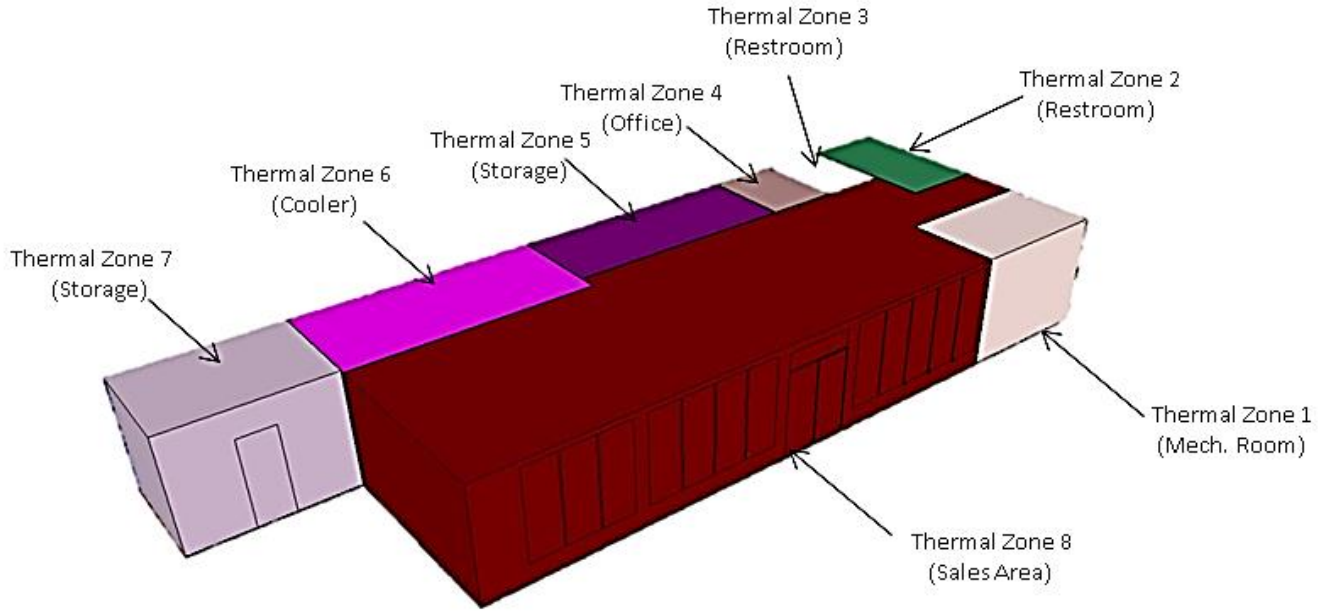
(250)-318-2826 / www.eliteengineer.ca



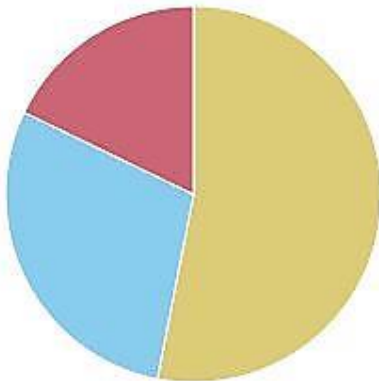
Elite

Engineering & Design

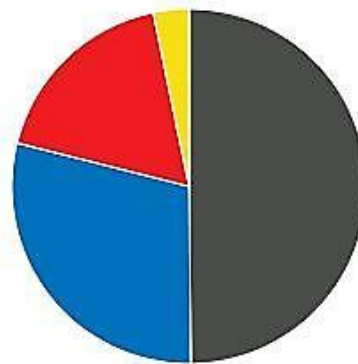
Simulated Building Thermal Zones



Energy Breakdown



Electricity
District Cooling
District Heating



Interior Equipment
Cooling
Heating
Interior Lighting

Yearly Load Profile

