

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
- Machine Guarding Design
- Design for Manufacturing / Detail Engineering
- Engineering Calculations / Finite Element Analysis (FEA)

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.

Design for Manufacture

Once the major engineering & design is complete and we have met the requirements of your project, we can further break the design down to their individual components and create detailed fabrication & construction drawings that clearly indicate all relevant technical information needed by the trade staff to build

& fabricate the design. Using advanced 3d modelling software, we produce drawings that are extremely accurate as well as easy to read and interpret. Having a drawing that is both precise and clearly laid out reduces the chance of misinterpreting of the design as well as other costly and time-consuming mistakes.

We also can produce other drawing formats such as:

- Conceptual 3D models
- Plant layout drawings
- Piping layouts
- Fully detailed drawing packages

Analysis & Simulation

From simple calculations to complex FEA analysis, we can assist in optimizing your design to ensure it meets all relevant industry standards & regulations. We utilize advanced analysis software to reliably deliver realistic solutions that will benefit and confirm your design.

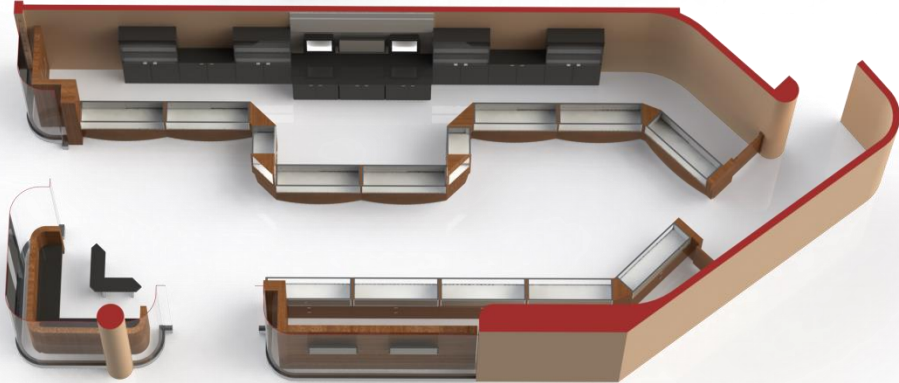
Some other advantages of using our analysis services:

- Reduce weight
- Increase strength
- Locate problematic stress areas
- Easily provide alternative designs

Large-Format Printing

Once the major engineering & design is complete and we have met the requirements of your project, we can further break the design down to their individual components and create detailed construction drawings that clearly indicate all relevant technical information needed by the trade staff to build / fabricate the design.

Innovation Redesigned



Elite

Engineering & Design

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