

Concept Engineering Inc.

Electrical and Mechanical Consulting



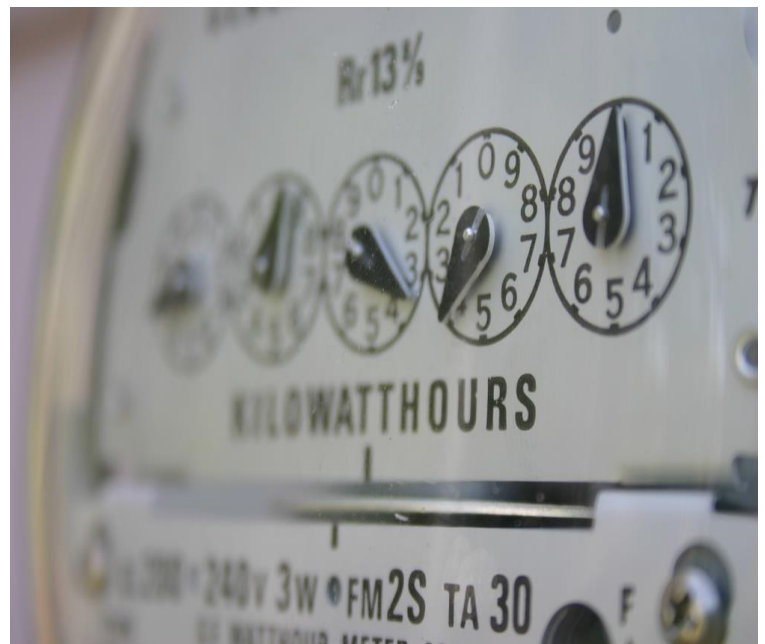
At Concept Engineering we strive to make your concept a reality, using cost effective and efficient design strategies. We pride ourselves on close client interaction and professionalism. With a combined 100+ years' experience we offer Building Systems, Horizontal Electrical Utilities and Sustainable Design.

Building Systems Engineering

Concept Engineering has experience in all aspects of building design ranging from small tenant fit-ups and design builds up to large camp and wellness facilities.

Electrical Systems:

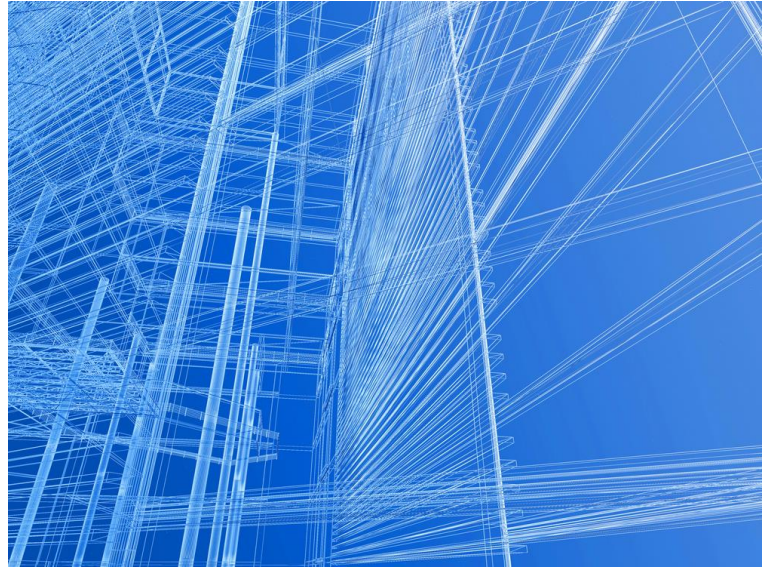
- Energy efficient, sustainable, flexible lighting systems and control design.
- Power systems loading and distribution design.
- Life safety systems (Power, Lighting and Fire Alarm Systems).
- Telecommunications, Audio/Visual and Security systems Design.
- Emergency generator design and specifications.
- AutoCAD and REVIT and AGi design implementation.
- Design build, verifications and building evaluations.
- LEED® Accredited Professional.
- Solar PV designs and implementation



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Mechanical Systems:

- Mechanical Site Services (water, sanitary and storm).
- Building plumbing and heating distribution systems.
- Building ventilation ductwork distribution.
- Building fire protection sprinkler head layouts.
- Mechanical control systems
- Heat gain/loss calculations
- AutoCAD and REVIT design implementation.
- Energy Modelling
- Firefighting Water Supply Calculations
- Design build, and Building Evaluations
- Boiler/Mechanical systems upgrades and replacements



Horizontal Electrical Utilities

With a broad range of experience in utilities engineering, whether it be overhead or underground distribution (power and telecommunication), Concept Engineering can provide the details and information required:

- Residential Electrical Distribution (URD)
- Commercial site power and telecommunications development and coordination with local Utilities (transformer, pedestal and roadway lighting coordination)
- Street lighting design (RTAC and IESNA certifications) to Transportation of Canada standards (TAC).
- Traffic control distribution and certification
- Utility easement applications and coordination's
- Street lighting assessments
- AutoCAD and AGi design implementation.



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Sustainability

We are constantly reminded that we must not sacrifice the environment for the sake of progress and we as professionals must seek balance in all that we create. Through sustainable design, Concept Engineering strives to reduce energy consumption and environmental impact, meanwhile increasing comfort, functionality and overall productivity we achieve these values by:

- Pursuing continuing education and related seminars/conferences
- Collaboration with experienced professionals to share ideas and solutions
- Researching current and new technologies
- Practicing these ideals in everyday settings



Sustainability is the ability to fulfill the needs of the present without compromising the needs of the future

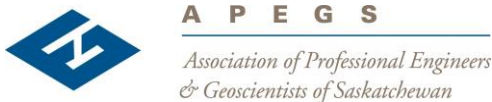
Professional Affiliations



APEGA Association of Professional Engineers
And Geoscientists of Alberta



PEGBC Professional Engineers and Geoscientists
of British Columbia



APEGS Association of Professional Engineers and
Geoscientists of Association



PEO Professional Engineers of Ontario



IESNA Illuminating Engineering Society



Canada Green Building Council
Every Building Greener

CaGBC Canadian Green Building Council



ASHRAE American Society of Heating, Refrigerating
And Air Conditioning Engineers



Northwest Territories and Nunavut
Association of Professional Engineers and Geoscientists

NAPEG Northwest Territories and Nunavut Association
of Professional Engineers and Geoscientists

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www.concepteng.ca

Notable Projects

Electrical and Mechanical Consulting

Commercial/Retail

Light Industrial, Vehicle Servicing

Fix Auto Edmonton, GoMazda, Craig's Welding Paint Shop, Full House Renovations Paint Booth Upgrade, Integra Tire, E Construction

The Kingsway Legion

Completed in 2013, the Kingsway Legion was a brand new facility to replace the expropriated facility located on Kingsway Ave, Edmonton. The new facility has 2 large Banquet Halls, Administration Offices and a Large Canteen games room for Veterans.

Jagare Ridge Development

Shops of Jagare Ridge is a comprehensively planned controlled mixed use retail and office centre. The total project (approximately 12 acres of land) is currently planned to include six retail buildings and one mixed-use building (totaling approximately 95,000ft²).

CMS Famous Toys

CMS Famous Toys is a Canadian Leader in the distribution and marketing of Children's Toys and General Merchandise to Grocery and Drug Stores. The new facility will have approximately 70,000ft² of warehouse space and 8,000 sf of office/admin area. High end lighting technologies were utilized through-out the facility to minimize energy consumption and maintenance requirements.

F12 Networks

F12 Networks is an Alberta based IT company with offices in Calgary, Red Deer and now Edmonton. The Edmonton facility consists of a 20,000ft² office space with complete IT solutions center and a 3000ft² data center for complete cloud based solutions.

Urban Outfitters

Urban Outfitters, Anthropologie and Free People are all brands under the Urban Outfitter Inc branding. Across Canada, Concept Engineering is involved in the design of these high end clothing stores.

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Residential/Assisted Living

Peace Hills Lodge

A 74 Unit assisted living lodge located in Wetaskiwin, Alberta. Completed in 2009 for the Bethany Group, this facility has full dining room, games room, central courtyard and a variation of suites. The building is on 100% emergency power.

Dr. Turner Lodge

A 90 unit senior's lodge located in Fort Saskatchewan, Alberta. This LEED silver facility was a cooperative project between Strathcona County and the City of Fort Saskatchewan. Funded in part by the Alberta Government to meet the ever growing needs for our seniors.

Silverbirch Court

This 69 Unit affordable housing apartment complex located in Sherwood Park, AB. A first for Sherwood Park, this project will provide housing for AISH and low income families for the surrounding area.

Multi-Unit Residential

Concept Engineering has been involved in over 15 multi-unit residential projects. Developments ranging from just 15 units up to developments with over 150 units. With clients such as Brookfield Homes, Cove Properties and Reid Developments.

Community/Healthcare

Bruderheim Fire Hall

A uniquely funded fire hall which saw contributions from Strathcona County and Lamont to replace the existing 50 year old volunteer fire station with a new \$2mil Fire Hall. The new fire hall includes space for RCMP, training and town meeting rooms and includes 3 drive thru bays.

Strathcona Fire Halls

Fire Hall No 5: Received a major renovation and addition. Adding additional truck bays, dorm rooms and fitness facility.

Fire Hall No 1: Has received multiple renovations and additions to meet the expanding requirements and technological upgrades

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Various Dental Clinics

Concept Engineering has completed over 20 full dental interior fit up designs ranging from Dental chains; Focus on Smiles, TLC Dental and standalone Offices for the Saddle Lake community, the City of Fort Saskatchewan, and throughout the Edmonton region.

Edmonton Institute For Women

Housing upgrade and remediation for the EIFW facility in Edmonton.

Fort Saskatchewan Correctional Centre

Temporary swing facility development for continual security system upgrades

Education and the Arts

Faculty St. John

The faculty St. John expanded classrooms and Administrative offices into the newly renovated La Cite Francophone Community Centre.

Neon Sign Museum

A museum to celebrating Edmonton's neon past. The Neon sign museum is an outdoor showcase designed to display refurbished Neon signs of Edmonton's History.

Industrial

Devon Pike Lodge

A 2000 man LEED silver core facility for Devon Oilfield. This high-end facility has amenities for 2000 workers, ranging from a full cafeteria, fitness, gymnasium and theatre.

Devon Jackfish Lodge

A 1000 man facility for Devon Oilfield. Concept Engineering was hired to complete the communications, security and emergency life safety systems design of this facility.

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