

FIRM PROFILE

GF Shymko & Associates is an award-winning multi-disciplinary building engineering firm specializing in energy and environmental performance.

A Canadian leader in sustainability engineering, GF Shymko & Associates brings creativity and innovation to design teams working on next-generation high performance buildings. We have provided design facilitation and energy engineering for some of Canada's most advanced buildings, including LEED® Gold and Silver projects. We are also well-known for our international policy and committee work.

Our objective at GF Shymko & Associates is well-designed, highly efficient and cost effective sustainable buildings. Our basis is technical, but our focus is on design – we believe that money is better spent on careful design than on the latest technological trend. Our philosophy is that technology should support the fundamental design process, not lead it.

Conventional buildings are the result of design processes which are usually less than ideal. Each design discipline tends to work strictly within its own realm, seeking design solutions according to its own paradigm. The pursuit of higher building performance then takes the form of an expensive layering of technological fixes which really do not address performance issues at the fundamental level.

GF Shymko & Associates has the broad technical foundation in all disciplines necessary to understand how building systems work together and how to integrate the pieces into an optimized whole building. We provide two services to the design team: technical expertise in energy and environmental issues, and facilitation of better design integration between all the disciplines. The common term for this approach is Integrated Design Process, or IDP.

SERVICES

New Building Design

We provide a full range of multi-disciplinary advisory services in advanced or sustainable design. We are pioneers in using computer simulation as a dynamic design tool.

- Developing project performance goals
- IDP design facilitation
- Energy and sustainability engineering
- Advanced building simulation
- LEED® design and coordination
- Green Globes™ consultation and certification
- Assistance with government and utility green building incentive programs
- Geothermal system design
- Innovative HVAC research and design
- Renewable energy technologies

Improvements to Existing Buildings

We examine facilities for cost savings opportunities or for problem resolution, including:

- Energy analysis and retrofit planning
- Environmental performance assessments
- Indoor air quality diagnosis and remediation

Energy Performance Contract (EPC) Advice

Our direct experience in EPC allows us to offer independent review and advice at all phases of an EPC project, from concept to monitoring and verification.

For Government and Utility Groups

We are highly experienced in all aspects of demand-side management, sustainability planning, and program development and deployment.