



# ARC Engineering Inc.

## LEED and Energy Services

### Recent Projects:

#### **Niagara Regional EMS Facility Thorold, Ontario**

This project is in the design stage, with a target level of LEED Silver. We are providing energy modeling and fundamental commissioning services.

#### **Wingbury Properties Ltd. Dundas, Ontario**

We are providing LEED Facilitation services and Energy Modeling for a 40,000ft<sup>2</sup> office complex.

#### **Welland Police Headquarters Welland, Ontario**

Using eQuest, we completed an application for the Save on Energy Retrofit program. The Region of Niagara is eligible for approximately \$25,000 in incentives

#### **Deer Park Villa Grimsby, Ontario**

This project is an existing long term care facility. We are providing LEED Facilitation and Energy Modeling services for a new 44,000ft<sup>2</sup> addition to the existing building.

#### **Fallsview Casino Resort Niagara Falls**

Using RETScreen 4, we analyzed using Solar Hot Water to supplement the existing hot water systems.

#### **Halton Cheshire Homes Dunnville, Ontario**

We provided energy modeling services for renovations to an existing Seniors Facility and submitted applications for the Save on Energy and enersmart program to enable the Owners to receive approximately \$5,000 in incentives.

#### **Walker Industries Niagara Falls, Ontario**

This is a new 1,600ft<sup>2</sup> Office building that was recently completed. We are providing LEED Facilitation and Energy Modeling services and are on track to achieve a LEED Silver certification.

**We specialize in finding the right solution to suit our clients needs,** whether it be a cost effective design for a new project, or improving an existing design. We can provide solutions for Building Services Design - HVAC, plumbing and fire protection systems to provide a comfortable, healthy and safe environment.

**Our philosophy is simple - provide the best service** possible to suit our clients goals and budget. We will work through any engineering problem to find the most effective and cost efficient solution.

**Our focus is Building Services Design including HVAC,** plumbing and fire protection. With experience in Commercial, Institutional, and Industrial settings, as well as renovation projects, we can provide our services for a range of facilities.

**With three LEED Accredited Professionals on staff, we can** offer a full range of Green Building solutions such as LEED Consultant Services for LEED certification, preliminary LEED certification reviews, and energy modeling for LEED and government incentive programs. We are fully trained in EE4 and eQuest, two of the industry standard energy modeling software packages.

**We can provide a Green Building Design for any project.** We believe Sustainable Design should be incorporated into every project. This leads to greater long term savings in operating costs for the Owner, and a more environmentally responsible approach to Building design

**We work with our clients through every step of the** engineering design to ensure a cost effective and appropriate. Our services extend to the commercial, institutional, retail, and industrial market sectors.

#### **We provide services for new and renovated projects:**

- |                        |                          |
|------------------------|--------------------------|
| ⇒ Commercial Projects  | ⇒ Office Buildings       |
| ⇒ Building Conversions | ⇒ Institutional Projects |
| ⇒ Shopping Centres     | ⇒ Retrofits              |
| ⇒ HVAC                 | ⇒ Plumbing               |
| ⇒ Fire Protection      | ⇒ LEED Services          |
| ⇒ Energy Modeling      | ⇒ Studies                |

### ARC Engineering Inc

*Creating Solutions Through Engineering Excellence*

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