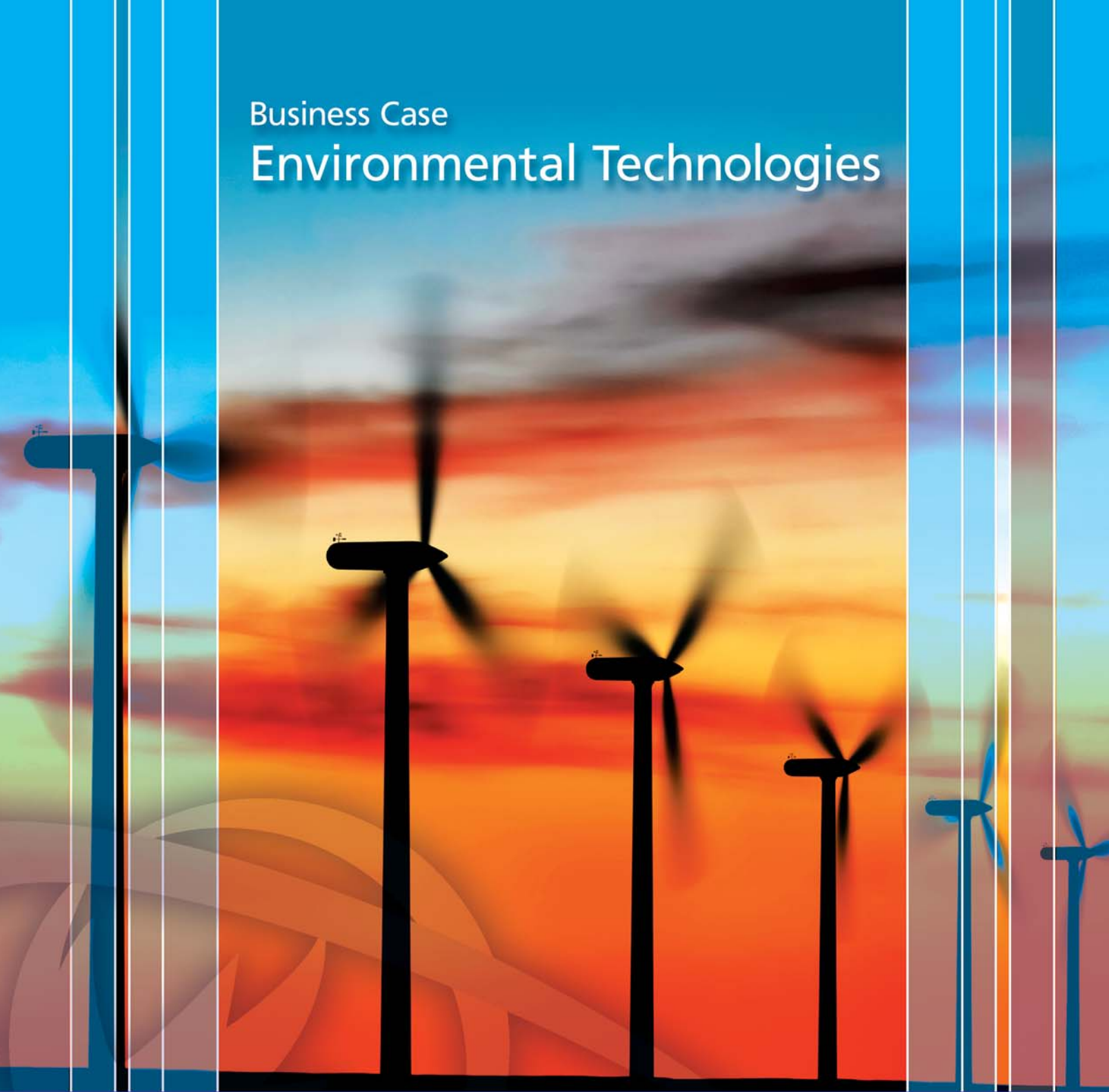


Business Case
Environmental Technologies





Ontario is currently
home to half
of Canada's environmental technology companies

As a result of increased public interest and recent gains in research and development, the environmental technology industry is positioned to change the lives of people around the world. Within the city of Guelph, it is a new and emerging sector that is poised for rapid growth.

Ontario is currently home to half of Canada's environmental technology companies, with more than 2,000 companies and associations, and 50,000 individuals employed in the sector. More than 45 of these companies and associations make up Guelph's environmental technology sector, employing more than 1,350 people (*Source: City of Guelph website*).

Guelph's Environmental Technology Sector is an area of large and exciting growth with new companies making their homes here and existing members expanding.

With an increase in environmental awareness, the Environmental Technology Sector has become a greater focus within the Canadian business community and in the minds of Canadians. Guelph is proud to be a strong part of this innovative business community.

In fact, with the leadership of the University of Guelph's Faculty of Environmental Science, Guelph is poised to take a leadership role in the industry and to continue offering strong support to both existing companies and to new members. The faculty is dedicated to promoting education, research and outreach related to the environment. It is interdisciplinary in nature, combining the strengths of natural, physical and social sciences.

Interdisciplinary research is promoted through two local resources, the Environmental Sciences Research Initiative and the Guelph Institute for the Environment. The Ontario Agricultural College (OAC) Environmental Technologies is also located in Guelph and aids in the pursuit of heightened awareness and education across the sector.

Coupled with its world-renowned Agri-food and Innovations Sector, Guelph offers a unique opportunity to bring these industries together and enable these burgeoning business sectors to grow.

Ongoing research:

- The University of Guelph administers the Environmental Science Research Initiative
- The Guelph Institute for the Environment was launched in 2007
- The Guelph Pollination Park is turning a decommissioned landfill site into recreational and educational parkland, while harvesting methane to generate electricity
- The University of Guelph and Kinross Gold Corporation are creating a new educational and research network between Canada and Brazil
- The BioCar Initiative is researching how the auto industry and soybean oil can be mutually beneficial
- The use of plant waste to generate biofuels is being researched at the University of Guelph

Sector Support Organizations

The Arboretum, University of Guelph
www.uoguelph.ca/arboretum

Clean Water Coalition, Guelph

Community Environmental Leadership Programme (CELP), Guelph

Greenspaces for Wellington
www.greenspaces.ca

Guelph Civic League
www.guelphcivicleague.ca

Guelph Community Car Co-operative Inc.

Guelph Enabling Garden
www.enablinggarden.org

Guelph Environment Network
www.bbc.guelph.org/gen

Guelph Field Naturalists
www.guelphfieldnaturalists.org

Guelph Horticultural Society
www.guelphhort.org

Guelph International Resource Centre (GIRC)
www.girc.org

Guelph Residents Advocating Solar Power (GRASP)
www.guelphsolar.ca

Guelph Round Table on the Environment and Economy (GRTEE)

Guelph Urban Forest Friends (GUFF)
www.guffguelph.ca

Hanlon Creek Rehabilitation, Guelph

Ignatius Ecological Farm Project, Guelph
www.ignatiusguelph.ca

Ontario Public Interest Research Group (OPIRG), Guelph
www.opirgguelph.media-core.com

Rotary Club of Guelph - Environmental Committee

S.H.I.F.T. Sustainable, Healthy, Integrated Forms of Transportation

Speed River Land Trust, Guelph

Trees for Guelph
www.treesforguelph.ca

Upper Grand District School Board,
Environmental Committee

Sector Supports

Members of the Environmental Technologies Sector in Guelph benefit from the presence of the University of Guelph and its world-class environmental science research initiative and the innovations it produces. In addition, the region also boasts one of North America's strongest Agri-food and Innovations Sector, whose close links to Environmental Technologies strengthens both industries and produces innovations such as the BioCar Initiative.

Environmental companies can also look to the City of Guelph and its residents for sector support. With a continual focus on discovering opportunities to lead the way in environmental initiatives. Guelph City Council unanimously endorsed the vision, goals and general directions of a 25-year Community Energy Plan (CEP). The plan will put Guelph on the cutting edge of smart community growth in North America.

Under the plan's challenging but realistic targets, Guelph could use less energy in 25 years than it does today – even with an expected residential growth of 65,000+ people. It could also cut its annual greenhouse emissions by nine tonnes per person. This will allow Guelph to be among the top energy performers in the world, and one of the most competitive and attractive communities in which to invest, and grow your Environmental Technologies business.

For more information on this plan, please visit the City of Guelph website at: www.guelph.ca/living.cfm.

Statistics about the Sector

- Number of people employed in the sector: 1350
- Number of Environmental Technology Companies in Guelph: 45

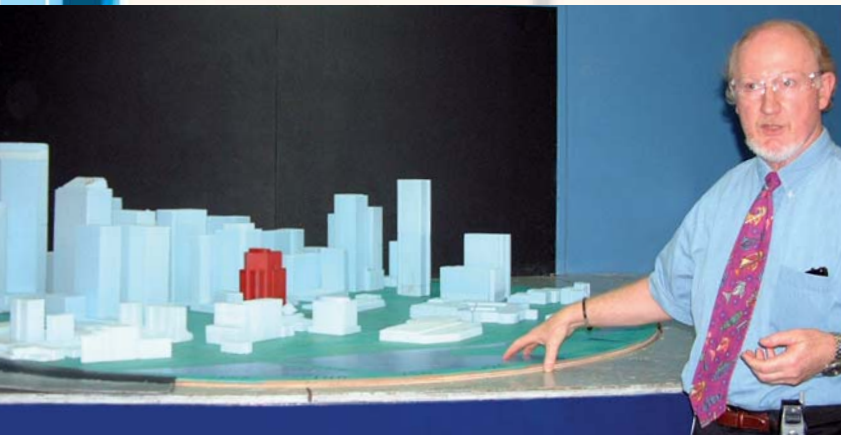
Source: 2008 Guelph Business Directory

Business Profile

Rowan Williams Davies & Irwin Consulting Engineers & Scientists (RWDI)

About the Organization

The RWDI Group of Companies is comprised of innovative international consulting businesses located on five continents, specializing in providing wind engineering and environmental solutions. Since 1972, the firms, with over 400 employees have earned a trusted reputation for delivering understandable and useful results for some of the world's most celebrated building and environmental projects.



Products & Services

Utilizing sophisticated engineering tools such as computational fluid dynamics and four state of the art wind tunnels, RWDI's expertise includes:

- Master planning and sustainable design
- Wind and snow engineering; meteorological studies, exhaust and ventilation, air quality analysis, and regulatory permitting
- Noise, acoustics and vibration analysis; and, hazard and risk assessment

Fact Sheet

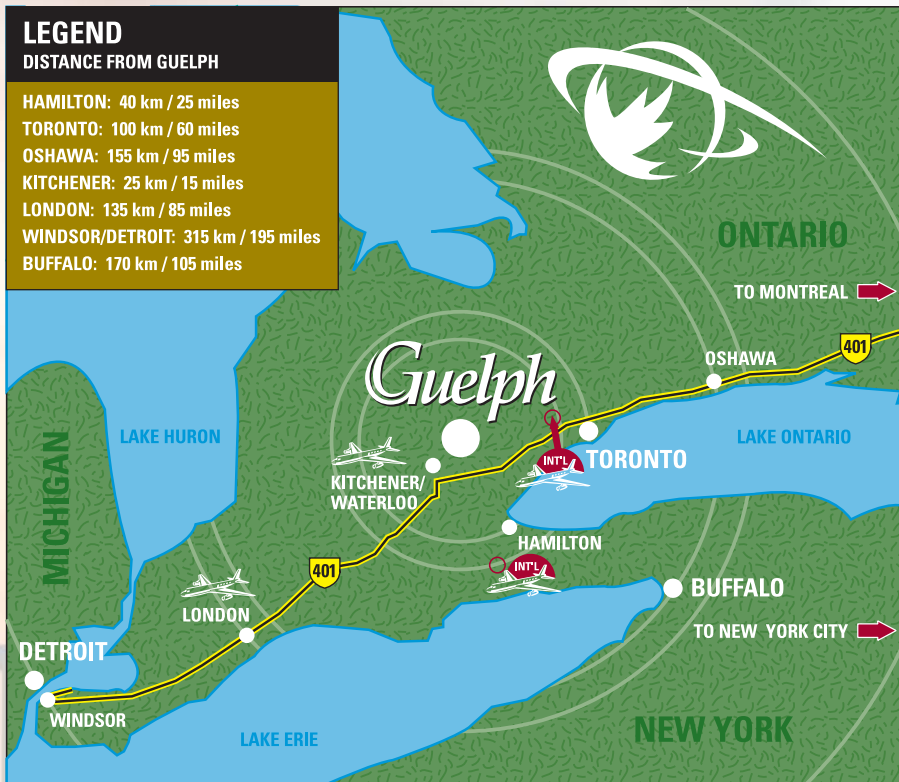
- In 2007, RWDI celebrated 35 years in business as a Guelph-based firm
- RWDI founding principal and current Chairman Peter Irwin invented the Irwin Sensor, a scientific tool used today in many wind tunnel laboratories worldwide
- RWDI has consulted on some of the world's best-known projects including: Burj Dubai, Taipei 101 Officer Tower, Petronas Towers and New York's Freedom Tower
- RWDI gained international acclaim for designing environmental comfort solutions for pilgrims at the Grand Mosque in Mecca, Saudi Arabia
- RWDI has a reputation as a community leader and top quality employer

Advantages of being located in Guelph

"The company's headquarters in Guelph allows it to continue to provide leadership in the fields of advanced environmental modeling and sustainable design. RWDI has clients around the world and Guelph is only an hour's drive from Canada's largest international airport, ensuring ease of travel. Guelph is a safe, caring, environmentally-conscious and high-quality community for employees to live and work. The city offers excellent research and professional services, is close to post-secondary schools with leading engineering and environmental programs while providing access to top talent."

Michael Soligo,
President and C.E.O.
RWDI Group of Companies

Grow Your Future **Here**





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guelph.ca/biz

