

Research & Development

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Our location in Toronto, Ontario, places Internat Energy Solutions Canada (IESC) in one of the most vibrant and innovative cities in North America. Although renewable energy is in many ways a mature and developed industry, there is no doubt that innovation and education are key to its sustainable success. As a principle of the company, IESC is devoting 15% of engineering time to R&D Projects in Renewable Energy and its application in residential, commercial and industrial settings. All members of the IESC team have strong connections with local Universities as a result of our commitment to continuing education. Each team member is

either in the process or has completed a Masters or PhD level education in our respective disciplines. As a result, IESC is at the centre of the innovation that takes place in the University environment. Below is a brief description of the projects that we are working on at this time. As new opportunities present themselves and as the industry matures, IESC will be updating our R&D activities to stay at the leading edge of technology and knowledge.

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Development
Project of Wind Energy with Ventax Wind Power Inc.

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Ventax Wind Power Inc.

Double
Axis Vertical Wind Turbine with Air Flow Directional Assist

First
Prototype is a 22kW Structure in Ayr, ON Canada build in 2006

Initial
Design and Testing Completed

IESC Participation

Assist in securing financial assistance to create a 2nd Generation
Prototype that will include new designs from experience gained on
1st Prototype

Assist in program management of 2nd Generation construction

Lead validation testing of the 2nd Generation Prototype

Build Business Plan with Ventax for investors to bring product to North American Manufacturing

Turn

Key Solution for Canadian Homes IESC

looks to assist in the development of turnkey solutions for residential clients that have the right conditions for implementing renewable energy. As local government policy progress and product standards are developed there is a possible market that many grow in Ontario leading to decentralization of energy production. Although IESC's intention is to bring together through program management and innovation some possible solutions to the single home building. The project is currently in its infancy and updates will be provided as they develop.