

[youtube:<http://www.youtube.com/watch?v=V8W412aAWQU> w auto]Keynote to Globe Forum on Green Tech Innovation - SustainAgility

Oil prices of more than \$100 a barrel are driving a frenzy of green tech investment by tens of thousands of new companies, a significant number of which are based in Canada.

Green tech companies in Canada are growing fast – by over 50% a year, accelerated by huge natural resources, global demand for cleaner energy, and \$1bn of government funding for innovation.

Within 5-8 years, the size of Canada's green tech sector could overtake Aerospace and Defence. The province of Ontario alone has almost 3,000 green tech companies, generating \$7bn a year in sales, and employing 65,000 people.

In October 2010, the Ontario Solar project began generating power, using one of the world's largest photovoltaic facilities with 80 megawatts capacity.

Canada has major opportunities for innovation in the oil industry. Take for example oil sands extraction in Alberta, which will require extraction across up to 54,000 square miles of land over the next few years to meet global oil demand. The largest energy companies are investing heavily to find ways to extract this huge carbon resource in more environmentally friendly ways.

Carbon capture and storage is still a relatively unproven process, but is attracting significant global investment. The UN's International Energy Agency estimates that Canada has sites that could safely store up to 1,300 billion tonnes of CO<sub>2</sub>.

Green tech innovation in many countries is a story of small startups and entrepreneurs with vision – and Canada is no exception.

Over half of all green tech companies in Western Canada employ fewer than 10 people, with turnover of less than \$500,000 a year. Most of these companies expect to grow fast, with new products and services to be launched in the next 2-3 years, and most green tech revenues in the region are from exports.

One of the greatest “green” resources for Canada is forest – 420 million hectares, 10% of all forest in the world. In 2010, Canada formalized the Boreal Forest Agreement, protecting 72 million hectares of public forests - an area twice the size of Germany. Expect many [innovations](#) in forest management and in manufacturing of pulp, paper, cardboard as well as other wood-based products.

Patrick Dixon is co-author of [SustainAgility – book](#) .

More Patrick Dixon videos, presentations and further reading on these issues:

[True Cost of Global Warming](#)  
[How business will help solve global warming with green technology](#)  
[CARBON DIET to save the World](#)  
[Global Warming - Science Summary](#)  
[Future of Oil Prices: Middle East, global economy](#)  
[Roof Gardens Impact on Energy Saving](#)  
[Biofuels Controversy and Climate Change](#)  
[Iceland Volcano Eruption - Geothermal Power Potential](#)  
[Energy Use Consulting - Boom Industry](#)  
[Smart Power Regulation - Energy Saving](#)  
[Green Technology Innovation Awards Chaired by Patrick Dixon](#)  
[Product Exchanges and Climate Change](#)  
[Wind Turbines and Global Warming](#)  
[Solar Cell Roofing and Climate Change](#)  
[Low Energy Streetlights and Global Warming](#)  
[Polymer Cement - to save 2% global CO2](#)  
[Carbon Capture - Climate Change Business](#)  
[Future of Oil Industry when will oil run out? Kuwait and region](#)  
[Heat Pumps - to prevent global warming](#)  
[Cost of global warming - practical answers](#)  
[The \\$40 trillion climate change business](#)  
[Impact of Global Warming on Human Life](#)

[The Future of the Environment](#)

[Green Technologies innovation will help with climate change](#)

[Sustainability, climate change and crazy biofuels policy](#)

[Sustainability: innovation will help save world. Sustainable business future](#)

[Sustainable business: \\$40 trillion green tech boom will help save world](#)

[How Green IT saves money and energy, improves image and environment - keynote](#)

[Water Wars Risk? Futurist Q&A with Patrick Dixon](#)

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