



## About our founder- Scott Gordon, Ph. D.

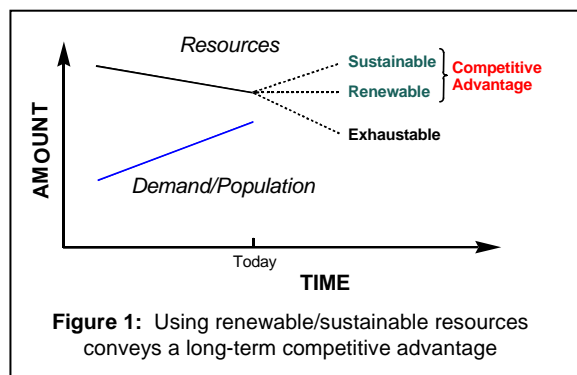
Scott graduated from California Institute of Technology with Bachelors' degrees in biology and chemistry in 1984. He worked for a few years in a small start-up chemical R+D company before entering graduate school at Carnegie Mellon University. Under his graduate advisor Terrence J. Collins, he became interested in green chemistry and magnetic materials. His work with Dr. Collins in the area of environmentally benign oxidation catalysis was recognized by the Presidential Green Chemistry Challenge award in 1999. This work also led to eight patents that are now being commercialized worldwide for chlorine-free paper and textile bleaching. In 1998, Scott accepted an Assistant Professor of Inorganic Chemistry position at the University of Vermont. Through all these years of work, Scott always dreamed of becoming an inventor. He also firmly believed that chemistry can solve many of the world's environmental problems if practiced in a sustainable way. As his tenure at UVM drew to a close, Scott founded Green Technologies.

### Green Technologies Timeline

Founded in 2003  
May, 2004 - awarded SBIR Phase 0 grant  
June, 2004 - established a cooperative R&D agreement with Long Trail Biodiesel  
Summer, 2004 - Prototype 60 Gallon Reactor developed  
December 2004 - closed on commercial manufacturing site in Winooski  
August 2005 - Winooski Biodiesel plant operational

## Guiding Principles

- 1.Green or sustainable products and processes have intrinsic value – not just to future generations; but to today's consumers as well
- 2.Companies based on renewable resources will ultimately outcompete companies based on exhaustable resources (Figure 1).



## Making Biodiesel from Waste Vegetable Oil

Our company is currently focused on the production of BIODIESEL (a cleaner-burning renewable alternative to conventional diesel fuel). Unlike many biodiesel production companies that use virgin-vegetable oil as a starting material, **Green Technologies uses recycled vegetable oil obtained from local area restaurants.** This approach has several advantages:

- A “waste product” is reused instead of wasted.
- The oil we collect stays in Vermont
- Local fuel production from local materials helps make Vermonters more self-sufficient

## Working towards zero-waste manufacturing

Byproducts from the biodiesel process are being heavily researched for further use. As chemists, we challenge ourselves to create value-added products from “waste” streams. We are currently developing methanol recycling and glycerol purification methods. We are also actively pursuing uses for solid grease such as conversion into value-added waxes for candles, fire-starters, snowboards, etc., and specialty ester synthesis for paint and lubricant applications. The goal of our manufacturing site is to glean the maximum value from our starting materials and to completely utilize our own waste streams or form only benign wastes.

## Biodiesel Cooperative

We strongly believe that “micro” biodiesel production is a workable business model. Local production takes advantage of local feedstocks (waste or virgin) and reduced transportation costs for feedstocks and finished products. We are actively developing a cooperative with other micro-producers to take advantage of bulk-buying and shared knowledge. We are also establishing a testing facility for evaluation of biodiesel at reasonable prices. Contact Scott if you're interested in becoming a member.

## Future projects

Future research efforts are focused in the alternative energy area, including advanced methods of power generation. Green Technologies is also interested in developing value-added products from other renewable feedstocks.

## Contact Information for Green Technologies

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Green Technologies' manufacturing site

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## For more information about biodiesel/biofuels near you

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## Green Technologies, LLC



Earth Friendly Products & Practices

### ABOUT OUR COMPANY

*About Our Logo:  
It combines ancient alchemical  
symbols for Earth (downward triangle)  
and Laboratory (circle within circles)  
to represent our mission to discover  
and develop renewable/sustainable  
manufacturing methods  
and associated  
products.*