

SUSTAINABLE PORTFOLIO



CASCADE
engineering
The Cascade Family of Companies

SUSTAINABILITY DRIVES INNOVATION AND GROWTH

SUSTAINABILITY

SUSTAINABLE

At Cascade Engineering we believe that sustainability drives innovation and growth across the three capitals that comprise the Triple Bottom Line. We were founded on the belief that business can be socially and environmentally responsible without sacrificing the bottom line. Our actions today impact the world tomorrow, and uniquely as a private company, we have a special opportunity to demonstrate this commitment in our daily work.

INNOVATIVE

Innovation is more than a concept at Cascade Engineering. It is the reason we do what we do and fuels our passion for sustainability. Whether it's developing a new product, technology or business model, we find ways to make sustainability the core of our innovation. And it is the knowledge that our innovations are making a real difference for our customers, partners and communities, that are among the most gratifying aspects of becoming a sustainable company.

COMPANY PURPOSE

To have a positive impact on our society, the environment and to be financially successful.



PRODUCTS AND BUSINESSES

RENEWABLE ENERGY

WIND

Swift Wind Turbine

A 1.0 kW wind turbine designed for residential and commercial applications, with near silent operation.



Northern Power

Regionally representing Northern Wind Power's 100 kW Northwind100 community sized wind turbine.



SOLAR

Cascade Renewable Energy Solutions sells and installs solar photovoltaic products throughout North America.



CONSERVATION

Choose Renewables - www.chooserenewables.com

Online business dedicated to empowering individuals with the best renewable energy products and services.



CLOSING THE LOOP

EcoCart®

Solid Waste and recycling container made with 40-50% recycled content targeted toward recycling programs.



RACX® Pallet

RACX Pallet is made from 100% recycled material and carries the MBDC [cradleto](#)[cradle](#)™ certification.



RECYCLING SYSTEMS

RFID Systems, Tags and Software

Xtreme tag® series of RFID tags, systems and software designed to enable recycling PAYT programs.



WATER

BioSand Water Filter

A light weight (8 lbs) plastic water filter designed and manufactured for the developing world.



Rain Collection System

A 50 gallon rain container designed to collect fresh water and developed in partnership with NextLife.



LIGHT WEIGHTING

Hybrid Acoustical Barriers

Light weight automotive acoustical insulators that eliminate 8 lbs of weight, increasing the vehicle's fuel economy.



Commercial Truck Components

Providing lighter weight, more fuel efficient solutions through metal to plastic conversion and component integration.





QUEST SUSTAINABLE SOLUTIONS

Quest Sustainable Solutions™ helps organizations become employers of choice through sustainable business solutions. Quest offers a customized approach to create effective solutions for any organization with a focus on:

- Corporate Culture
- Diversity
- Environment and Safety
- Leadership and Development
- Sustainability

LEED CERTIFICATION

Cascade Engineering's Grand Rapids corporate office and Mt. Airy manufacturing facility are LEED (Leadership in Energy & Environmental Design) certified by the U.S. Green Building Council. Our corporate office building received the LEED EB Platinum designation in late 2007.

LEED Platinum Facts: Cascade Corporate Office Grand Rapids, Michigan

LEED EB Platinum Certification
Awarded November 2007

CERTIFIED PLATINUM	64
Sustainable Sites	12
Water Efficiency	4
Energy & Atmosphere	11
Materials & Resources	15
Indoor Env. Quality	17
Innovation & Design	5

LEED Certified Facts: CKT Technologies, LLC Mt. Airy, North Carolina

LEED New Construction Certification
Awarded October 2008

CERTIFIED	27
Sustainable Sites	6
Water Efficiency	4
Energy & Atmosphere	1
Materials & Resources	5
Indoor Env. Quality	6
Innovation & Design	5

RENEWABLE ENERGY RECYCLING SYSTEMS

CHANNELS

Distribution & Dealers

- Renewable Energy
- Material Handling

Municipal

- Solid Waste & Recycling
- Renewable Energy

Retail

- Energy Conservation
- Automotive Aftermarket

Industrial

- Transportation
- Office Furniture
- Material Handling

CAPABILITIES

Design & Development

- Sustainable Development – DFE principles used in design & development
- Material Science
- Full Engineering Capabilities

Manufacturing

- World Class Lean Manufacturing
- Highly Efficient, Multiple Expertise
- Molding, Assembly, Finishing

Supply Chain

- Supplier Partnerships to Maximize Value in Supply Chain
- Global Raw Material and Component Purchasing
- Logistics Coordination Worldwide

LEED CERTIFICATION

CLOSING THE LOOP

RECYCLED CONTENT WATER





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