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Sustainable Engineering, Net-Zero Carbon Economy, GreenTech

Mission/Purpose

Founded in 2021, the Dynamic Sustainability Lab serves as unique resource and partner to **industry, government & NGOs** on the risks, unintended consequences and opportunities of the global net-zero carbon transition.

Scope/Current Research

- Supporting companies and countries develop pathways to **Net-Zero Carbon Commitments**.
- Supporting energy companies, developers, states and utilities on **development of 30 GW offshore wind** in the U.S.
- Supporting global finance sectors on **advancing energy transitions** to renewable energy in S.E. Asia
- Development of a **Carbon Intensity label** for commodities and products in the United States
- Identifying **risks and unintended consequences** of EV and Energy transitions to economics and national security
- Innovation and deployment of **low carbon and net-negative carbon commodities** and products

Currently **over 30 researchers** from the United States and globally spanning engineering & business disciplines, computer and information sciences, life and physical sciences, economics, marketing, communications and public policy.

MEET THE LAB



Capabilities & Services

- Public Policy Development and Analyses
- Innovation and Entrepreneurship
- Corporate Net-Zero Carbon Strategies
- Corporate ES&G Strategies
- Green Supply Chain Programs
- Scope 1, 2, 3 Greenhouse Gas Accounting & Reduction Strategies
- Environmental Life Cycle Analyses
- Green Tech Financing Pathways

Ongoing/Active Projects

- Recently part of team awarded **\$60 Million grant** from the U.S. government to develop **Climate-SMART** commodities and products
- Identification of gaps in finance, policy and insurance to meet carbon **capture and sequestration (CCS) technologies**
- **Corporate transparency** project for net-zero carbon commitments

Major Contributions/Output

Go to www.DynamicsLab.org research tab to view many of our reports and technical bulletins.

Partners – partial list

The World Bank, Asian Development Bank, Equinor Energy, National Grid, Duke Energy, United States Department of Agriculture, Alternative Fuels and Chemical Coalition, National Retail Federation, Plenty, State of New York, Council of Governments, Wolfspeed, BlueRiver Technology/John Deere

