

Clean Tech CORRIDOR



Growing Maine's Clean Tech Economy

CORRIDOR PARTNERS



The Clean Tech Corridor is an initiative of state and regional organizations joining to form, sustain and grow clean technology companies within Maine and throughout the Northeast. The purpose of the Corridor is simple: connect businesses and resources to develop clean tech. The Corridor is intended for businesses from across the northeastern region which require, but cannot easily access, high quality research and development technology services or seek opportunities to participate in clusters serving their sector.

Maine is uniquely positioned to play an important role in serving the region's growing clean tech sector by offering high quality assets through its current business base including:

- **world class laboratories and research centers** at the University of Maine;
- **a renewable energy business park** being developed at Brunswick Landing, the former Brunswick Naval Air Station;
- **an extensive supply chain of products and services** catering to the ocean and wind power industry; and
- **the iGreen New England initiative which will provide funding and services to assist in the commercialization of promising clean tech innovation** (e.g., providing pre-seed startups with demonstration sites, subsidized incubator space, R&D and technical assistance, and access to corporate, angel, and venture capital investors).

These are but a few of the current and burgeoning assets that can be found along Maine's Clean Tech Corridor running from northern Maine to the state's southern border. The Corridor will address a need to provide easier and more attractive access to regional assets, high quality research and development services, facilities, and opportunities that support the maintenance and growth of the clean tech industry, particularly small and medium size enterprises.

www.e2tech.org

Clean Tech Sector Services



BIOFUELS, ALTERNATIVE ENERGY: Cellulosic biodiesel, cellulosic alcohols, enzyme engineering, and alternative energy crops.

- ✓ Forest Bioproducts Research Institute (Univ. of ME)
- ✓ The Process Development Center is equipped to develop products from various materials including wood, bark, herbaceous crops and agricultural residuals (Univ. of ME)



TIDAL ENERGY, WIND ENERGY (land-based and offshore): Location, design, prototyping, advanced materials, full-scale testing, and regulatory compliance.

- ✓ Maine Wind and Ocean Energy Industry Initiative fosters ocean wind energy development by organizing, promoting and expanding the ocean and wind energy industry's supply chain in Maine
- ✓ Maine Tidal Power Initiative (Univ. of ME)
- ✓ Offshore Wind Laboratory offers robotic manufacturing and accredited testing (Univ. of ME)



MANUFACTURING RESEARCH DEVELOPMENT AND PROTOTYPING: Developing manufacturing solutions for emerging energy markets, medical devices, sustainable housing, and energy conversion systems.

- ✓ **The Advanced Manufacturing Center** is a 20,000 square foot center dedicated to engineering, product, manufacturing design, and prototyping. Businesses have access to manufacturing support – from basic training to full-scale development and commercialization of unique products and processes. (Univ. of ME)



BUILDING AND CONSTRUCTION: Energy efficient materials, recyclable and durable materials, engineering for life extension and modularly, sensors and control systems integration, testing and certification services.

- ✓ **The Advanced Structures and Composites Center**, offers several types of composite pilot lines, machining areas, various material test labs, and microscopy. (Univ. of ME)



GREEN CHEMISTRY: Bioplastics, biopolymers/monomers, specialty chemicals, packaging, coatings, and nanocellulose.

- ✓ The Department of Chemical and Biological Engineering (CHB) offers materials characterization and processing, pulp and paper manufacturing, transport and separation processes and is managing a pilot nanocellulose product development facility. (Univ. of ME)



SENSORS AND CONTROLS: Micro/nano fabrication, device packaging, and testing.

- ✓ Laboratory for Surface Science and Technology (Univ. of ME)

Clean Tech Sector Support



iGreen New England initiative will provide funding and services to assist in the commercialization of promising clean tech innovations. This initiative will fund applied research in university labs, and provide pre-seed startups with demonstration sites, executives-in-residence, subsidized incubator space, R&D and technical assistance, and access to a region-wide network of strategic corporate, angel, and venture capital investors.



Brunswick Landing's "Renewable Energy Center" provides a fully supported business park for clean tech firms looking to relocate, participate in a renewable energy incubator, develop a cluster, or grow their business to a new level.



Blackstone Accelerates Growth will bring a network of proven entrepreneurial services to companies in regions across Maine. High potential companies and entrepreneurs will receive skills training, mentoring, and coaching services. In addition, several hundred college students will receive scholarship funding to take courses in innovation and entrepreneurship and some of these will go on to work as interns with companies in the network.



The Sustainability Solutions Initiative is creating partnerships with Maine's colleges and universities for research and education efforts designed to advance economic and community development while protecting the environment. Teams of faculty and students are working with a variety of partners, including leading businesses and industries being transformed by changes in the global economy, rising energy costs, and a realization that a healthy environment is needed for long-term prosperity. The Initiative is conducting research and provides training to solve Maine's most challenging problems.



OTHER SUPPORT SERVICES

- ✓ Innovation Engineering workshops, accredited courses, professional certifications and internships at the University of Maine.
- ✓ Workforce development in renewable energy, energy efficiency, composites manufacturing and related areas (Southern Maine Community College, Univ. of ME, & Univ. of So. ME)

