



## WIND ENERGY MANUFACTURING

### Regional Strengths

- Built on a renowned manufacturing heritage, the region is home to 3,100+ advanced manufacturing firms, whose industry is our No. 2 gross regional product contributor, comprising 14% of our economy
- Well positioned for supply chain growth:
  - 70+ companies already in the supply chain
- Manufacturing know-how in key wind energy areas including fabricated structural metal, malleable iron foundries, drivers and gears, motors and generators
- Access to an existing talent pool of nearly 106,000 technically skilled advanced manufacturing employees
- Large-scale components transport easily across our transportation infrastructure, including three class-one railroads, the nation's second-busiest inland port and a world-class airport
- Major wind firms including Gamesa, GE Wind and Iberdrola in Pennsylvania (PA) create nearby local supply chain opportunities for wind-related manufacturers
- PA policies dedicated to increasing renewable energy generation, including wind:
  - A \$650 million state grant & loan fund to expand alternative fuel, clean energy and efficiency sectors
  - PA Alternative Energy Portfolio Standards require 18% of retail electricity from alternative sources by 2020
  - PA expected to have 3,000-4,000 megawatts of wind energy installed by 2010

**In Good Company**  
 Companies in wind energy manufacturing already growing here include ...

▪ ABB	▪ Everpower Renewables
▪ Allegheny Technologies Incorporated	▪ GAI Consultants, Inc.
▪ AREVA T&D	▪ HICO America
▪ Brad Foote Gear Works	▪ Holtec Manufacturing Division
▪ Converteam Inc.	▪ Kennametal Inc.
▪ Eaton Corporation	▪ Pennsylvania Breaker LLC
▪ Eickoff Corporation	▪ PPG Industries Inc.
▪ Ellwood Group, Inc.	▪ Tetra Tech

“Our company entered the wind energy supply chain as a result of our vision to take traditional manufacturing to the next level - and we hit the ground running. The Pittsburgh Region’s advanced manufacturing is a fine art and a match for the wind energy supply chain.”

- Rich Baker, Plant Manager, Brad Foote Gear Works

### Innovative Collaboration

- **Catalyst Connection** – improves the growth and profitability of regional manufacturers by sharing industry best practices in lean manufacturing, quality systems, sales, marketing and talent management.
- **DSN Innovations** – improves manufacturing supplier network coordination, agility and efficiency; federally-funded to help large companies and the government work with small/medium-sized manufacturers nationwide.
- **Manufacturing Assistance Center (MAC)** – this University of Pittsburgh School of Engineering initiative offers technological access/assistance, emphasizing lean and sustainable manufacturing; provides diverse workforce training programs.
- **3 Rivers Clean Energy** – develops innovative solutions to the nation's energy needs through a regional coalition of companies and organizations.

information provided by:

**pittsburgh regional alliance**

**pittsburghregion.org**

**+1.412.392.1000**