Growing Northeast Ohio’s High Tech Economy

National Academy of Science

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About NorTech

*NorTech*, the Northeast Ohio Technology Coalition, is the *Champion* for growing the high tech economy in Northeast Ohio.

We are the only organization that focuses solely on our high tech economy, across all sectors.

We have one, unwavering purpose: *To champion success in Northeast Ohio’s high tech economy.*

*How?* We marshal resources and forge collaborations to drive growth.
Sector Roadmaps

- Led by NorTech, developed collaboratively with stakeholders throughout NEO and beyond
- Articulates and communicates the shared regional vision
- Serves as the “game plan” for the region
- Forms the basis of our “pitch” for the region
- Dynamic tool to guide individual strategies & align regional priorities
Government Engagement

• Catalytic role in expanding state & federal funding with focus on technology
• Working with partners, identified gaps & needs
• B&D Consulting mapping out specific opportunities
  – Advanced energy
  – Innovation & entrepreneurship
  – Manufacturers in transition
  – Support for incubators
• Outcome Metric: $10M additional federal funding
• Ohio Third Frontier
NorTech’s Advanced Energy Initiative

Accelerate commercial activity in advanced energy in Northeast Ohio in order to create positive economic impact in the region.

**Center of Gravity**
- Set vision & regional strategy
- Host educational events
- Convene collaborators
- Track cluster performance
- Promote & market the region
- Track funding opportunities

**Portfolio Projects**
- Lead and champion projects
- Attract resources & talent
- Provide strategic guidance
- Recruit collaborators
- Assist in grant writing
- Produce market research

Northeast Ohio Advanced Energy Assets
Global Market Opportunities
Snapshot of the Advanced Energy Industry Cluster

www.NorTech.org/OurStrengths/AdvEnergy
Natural synergies emerged in 3 sectors
Additional sectors can be examined in subsequent phases
Can still take on smaller scale, exploratory projects in other sectors without full blown road map
# Advanced Energy Initiative

## NorTech Energy Enterprise

<table>
<thead>
<tr>
<th>METRIC</th>
<th>CLUSTER</th>
<th>PROJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital</td>
<td>$75 million</td>
<td>$25 million</td>
</tr>
<tr>
<td>Employment</td>
<td>600 jobs</td>
<td>150 jobs</td>
</tr>
<tr>
<td>Payroll</td>
<td>$42 million</td>
<td>$10.5 million</td>
</tr>
</tbody>
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2 Year Metrics (30 months after launch, allows for 6 month ramp-up)
Goal: To cultivate a flexible electronics cluster

– Electronic devices that bend and fold such as displays, photovoltaics, batteries, and sensors.

– Fabricated using a full range of flexible materials (organic, inorganic, hybrid) and processes (printing and vacuum; batch and roll-to-roll)

– Enabling a broad range of possible end-use applications for consumer, industrial, healthcare, and military markets.
Outcome Metrics:

• Completed roadmap (July 2010)
  – Will give definition to next steps and metrics
• 10 Jobs
• $700,000 in payroll
• $2M in capital attraction