SBA Innovation Clusters

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U.S. Small Business Administration
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<th>1. REPORT DATE</th>
<th>2. REPORT TYPE</th>
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<td>U.S. Small Business Administration Advanced Defense Technology Cluster, 409 3rd St, SW, Washington, DC, 20416</td>
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What is a cluster?

- Geographic concentrations of interconnected companies, specialized suppliers, service providers and associated institutions in an industry

- Clusters usually have a central cluster “concierge” or administrator that manages the cluster and fosters linkages and participation

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<tr>
<th>Small Businesses</th>
<th>Large Contractors</th>
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<tr>
<td>Colleges</td>
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<td>For Profits</td>
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<td>Community Leadership</td>
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Cluster Concept

Clusters Provide Synergic Assistance

- Collaboration
- Marketing
- Contracting Opportunities
- Finance
- Intellectual Property
- Commercialize New Technology
- Alliances
- Special Certifications
- Export and Import
- Supply Chains
- Partnerships
- Business Development

Spur Innovation
Create New Businesses
Create and Retain Jobs
Increase Revenue and Profits
1 ME - GreenME Renewable Energy Industry Cluster  
2 NY - Finger Lakes Food Processing Cluster Initiative Food Processing Cluster  
4 PA - Southwestern Pennsylvania Revitalization Energy; Health Care  
5 OH - Northeast Ohio Speed-To-Market Accelerator Energy; Flexible Electronics  
7 TN - Advanced Composites Employment Accelerator Advanced Composites with Focus on Low-Cost Carbon Fiber Technology  
8 GA - Atlanta Health Information Technology Cluster Health Information Technology  
9 FL - Space Coast Clean Energy Jobs Accelerator Clean Energy  
10 WI - Milwaukee Regional Water Accelerator Project Water  
11 IL - Rockford Area Aerospace Cluster Jobs and Innovation Accelerator Aerospace  
12 MO - St. Louis Bioscience Jobs and Innovation Accelerator Project Bioscience  
13 MN - Minnesota’s Mining Cluster – The Next Generation of Innovation and Diversification to Grow America Energy  
14 MO – Kansas City Regional Jobs Accelerator Advanced Manufacturing and Information Technology  
15 AR - Launching the ARK: Acceleration, Resources, Knowledge Information Technology  
16 KS - Center for Innovation and Enterprise Engagement Advanced materials  
17 ND - Upper Missouri Tribal Environmental Risk Mitigation Project Environmental Risk Mitigation  
18 WA - Washington Interactive Media Accelerator - Interactive Media  
19 OR - Portland Regional Clean Tech Advance Initiative Clean Tech  
20 CA - San Diego-Imperial Valley Renewable Energy Generation Training and Demonstration Center Renewable Energy
Clusters Connect Innovation to DOD Requirements

**Requirements**

Department of Defense

**Filter / Facilitator**

Large Contractor

**Clusters**

- Universities
- Procurement Center Reps
- SBDC
- SCORE
- Lenders
- Large Contractors
- Investors

**Innovation**

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DoD Information Volume → Small Bus Innovation Volume

Approved for Public Release
ADT Cluster JCTD Initiative
Proposed – Energy Validation Lab (EVaL)

• EVaL will identify and evaluate energy systems and technologies, TRL 6-7 or higher, that can be rapidly applied to war fighter requirements.

• JCTD capitalizes on national R&T investment

• Combines Open Innovation Network with RFIs

• EVaL is a “process” to assess/access “products”

• Desired Outcomes: reduce fully-burdened cost of fuel, enhance force capability, provide more fight, use less power
Small Business Energy Assistance

- **Energy Assistance for Small Businesses:**
  - Funded $2.5M in grants to the Small Business Development Centers for helping businesses that develop and commercialize clean energy technology

- **Helping Manufacturers and Businesses adopt Green Practices** with DoC, DoE, DoL, and EPA
  - E3 (Economy / Energy / Environment) Pilot Program

- **Greater Philadelphia Innovation Cluster (GPIC) for Energy-Efficient Buildings** with DoE / DoC EDA
  - Small Business Commercialization Acceleration Program (CAP)
Small Business Energy Assistance

- Mentoring for High-Growth Potential Energy Companies
  - [Entrepreneurial Mentor Corps](#)

- Small Business Guide to Energy Retrofit Opportunities: with CEG, DOE, EPA, and DoL
  - [Green Business Opportunities](#)

- One-Stop Destination for Green Business Opportunities:
  - [green.sba.gov](#)
Small Business Energy Assistance

• SBA’s Flexible Loan Programs serve energy businesses
  • Since 2010: 173 Loans totaling $357M

• Investments in Clean Energy Businesses
  – Impact Investment Initiative
  – Startup America
SBA Cluster Information

- Website addresses for ADT Clusters:
  - [www.powerfordefense.com](http://www.powerfordefense.com) Minnesota Power & Energy
  - [www.vcsi.org](http://www.vcsi.org) (Von Braun Center for Science & Innovation – Huntsville, AL) Click on ADT link on bottom of VCSI homepage for specific ADT info.
  - [www.ccatsandiego.org](http://www.ccatsandiego.org) (San Diego State University Research Foundation) - - - also interesting SDADT video at: [http://www.ccatsandiego.org/CWID2011_SDADT.asx](http://www.ccatsandiego.org/CWID2011_SDADT.asx)
SBA Cluster Information

• Additional Cluster information

www.sba.gov/clusters

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