

# EU Cluster Visit Booklet



# US Visits

## Pennsylvania

- Ben Franklin Technology Partners of Southeastern Pennsylvania
- U.S. Economic Development Administration (EDA)  
Philadelphia Regional Office
- Life Sciences Pennsylvania
- The Navy Yard
- Office of International Business Development, Department of Community and Economic Development, Commonwealth of Pennsylvania
- Penn State at the Navy Yard
- Philadelphia Industrial Development Corporation
- Science Center
- Singh Center for Nanotechnology
- The Wistar Institute of Anatomy and Biology

## Massachusetts

- Cambridge Innovation Center
- Fraunhofer Center for Manufacturing Innovation
- Fraunhofer Center for Sustainable Energy Systems
- Massachusetts Clean Energy Center
- Massachusetts Institute of Technology (MIT) Center for Biomedical Innovation
- MIT Innovation Initiative
- Massachusetts Office of International Trade and Investment
- Mass Technology Leadership Council, Inc.
- Northeast Clean Energy Council & NECEC Institute

# Ben Franklin Technology Partners of Southeastern Pennsylvania

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 1982

**N° of members:** N/A

**Sector of activity:** Technology-based economic development



**Mission:** Ben Franklin connects people focused on innovation, investments and technology to achieve their purpose to seed innovation and economic growth in the Greater Philadelphia region. Ben Franklin works to accelerate the formation and growth of technology-driven enterprises and spur the development, commercialization and adoption of advanced technologies.

For over 30 years, Ben has been the leading seed stage capital provider for the region's technology sectors, investing over \$175 million in more than 1,750 regional technology companies, many of which have gone on to become industry leaders. Ben Franklin has also launched university/industry partnerships that accelerate scientific discoveries to commercialization, and has seeded regional initiatives that strengthen our entrepreneurial community.

[www.sep.benfranklin.org](http://www.sep.benfranklin.org)

# EDA Philadelphia Regional Office

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 1965

**N° of members:** N/A

**Sector of activity:** Federal economic development

**Mission:** To lead the federal economic development agenda by promoting innovation and competitiveness, preparing the northeast region for growth and success in the worldwide economy.

As the only federal government agency focused exclusively on economic development, the U.S. Department of Commerce's Economic Development Administration (EDA) plays a critical role in fostering regional economic development efforts in communities across the nation. Through strategic investments that foster job creation and attract private investment, EDA supports development in economically distressed areas of the United States.

Guided by the basic principle that communities must be empowered to develop and implement their own economic development and revitalization strategies, EDA works directly with local economic development officials to make grant investments that are well-defined, timely, and linked to a long-term, sustainable economic development strategy.

[www.eda.gov](http://www.eda.gov)

# Life Sciences Pennsylvania

Pennsylvania

Massachusetts

**Location:** Wayne, PA

**Year of creation:** 1989

**N° of members:** 700+

**Sector of activity:** Life sciences industry—medical device companies, pharmaceutical companies, investment organizations, research institutions, and service industries

**Mission:** Life Sciences Pennsylvania's mission is to ensure Pennsylvania is the United States hub for the life sciences by creating a business and public policy environment which fosters life sciences growth and success.

LSPA delivers two valuable services – public policy clout, and strategic connections that can advance you and your organization.

LSPA's public policy work in both Harrisburg and Washington ensures that all its members are heard by those who make legislative decisions.

LSPA provides members with unparalleled networking opportunities to facilitate strategic connections. LSPA's array of both large and small events throughout the year, along with S.A.V.E., the strategic group buying program, ensure that members stay connected.



[www.lifesciencespa.org](http://www.lifesciencespa.org)

# The Navy Yard

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 2000

**N° of members:** 145+

**Sector of activity:** Office, industrial/manufacturing, and research and development sectors

**Mission:** The Navy Yard is a modern and dynamic 1,200-acre urban development, offering the Philadelphia region a unique and centrally located waterfront business campus that is committed to smart energy innovation and sustainability.

The Navy Yard's 7.5 million square feet of real estate consists of a mix of renovated, historic buildings and new, high-performance and LEED-certified construction. At full build-out, the Navy Yard will support up to 13.5 million square feet of development, 30,000 people, and over \$3 billion in private investment.



[www.navyyard.org](http://www.navyyard.org)

# Pennsylvania Office of International Business Development

Pennsylvania

Massachusetts

**Location:** Harrisburg, PA

**Year of creation:**

**N° of members:** N/A

**Sector of activity:** Business development

**Mission:** By partnering with the Regional Export Network (REN) and managing a global network of Authorized Trade Representatives, OIBD ensures its clients have access to the programs and services they need to succeed. Pennsylvania offers a wide range of programs and services to expand the global reach and export capacity of the commonwealth's business community. A leader in cross-border projects, with the largest network of overseas offices of any U.S. state, Pennsylvania is committed to breaking down barriers for businesses looking to locate in the state.

<http://dced.pa.gov/business-assistance/international/trade/office-of-international-business-development/>



# Penn State at the Navy Yard

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:**

**N° of members:** N/A

**Sector of activity:** Energy

**Mission:** Located in the heart of Philadelphia's Navy Yard, it is Penn State at the Navy Yard's mission to be a true living lab. The unique urban ecosystem of the Navy Yard gives Penn State incredible opportunity to do real-world research with its partners, and will soon be announcing the opportunities for businesses and entrepreneurs to leverage its Energy Innovation Space – a state of the art working space aimed at companies working on building energy and micro-grid related products and solutions. The Energy Innovation Space program provides access to 10,000 sqft of co-working and semi-private space, 5 conference rooms with AV, reconfigurable office layouts, regular symposia on energy topics, a common kitchenette, WiFi, and printing. As one of the largest unregulated electric distribution systems on the East Coast, The Navy Yard provides a unique test bed for new technologies. Penn State at The Navy Yard also offers facility space for events and gatherings, including a 170-seat auditorium.

Penn State Great Valley offers flexible full- and part-time degree programs, works with many community partners to support local economic programs, and seeks opportunities to enhance STEM and sustainability educational opportunities by leveraging our research and education ecosystem.

<http://philly.psu.edu/navy-yard.html>



# Philadelphia Industrial Development Corporation

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 1958

**N° of members:** N/A

**Sector of activity:** Public-private economic development

**Mission:** PIDC is a non-profit organization that spurs investment, supports business growth, and fosters developments that create jobs, revitalize neighborhoods, and drive growth to every corner of Philadelphia. To achieve its mission, PIDC attracts, manages, and invests public and private resources in the clients, communities, and markets that energize Philadelphia's economy.

PIDC offers flexible financing tools, a targeted portfolio of industrial and commercial real estate, and decades of Philadelphia-based knowledge to help clients invest, develop, and grow. PIDC also structures and invests in public-private partnerships for key City policy areas and development priorities.



[www.pidcphila.com](http://www.pidcphila.com)

# Science Center

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 1963

**N° of members:** 200+

**Sector of activity:** Innovation, tech-based economic development, and real estate

**Mission:** Science Center is a tech-based economic development organization. It is a mission-driven nonprofit organization that helps innovators and entrepreneurs bring world-changing technologies to market. Over the past half-century, the Science Center has leveraged its diverse suite of targeted programs and initiatives alongside its considerable portfolio of office and lab space to help power Philadelphia's ongoing evolution into a leading hub for innovation.

The Science Center provide innovators, entrepreneurs and companies at any stage of the business lifecycle with support and access to resources, programming, capital, and space. In its role as an innovation intermediary, the Science Center supports innovation all the way from idea to IPO and beyond through an expansive range of programming, support services, and infrastructure.



[www.sciencecenter.org](http://www.sciencecenter.org)

# Singh Center for Nanotechnology

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 2013

**N° of members:** N/A

**Sector of activity:** Nanotechnology

**Mission:** The Singh Center is a next-generation nanotechnology center that merges traditional approaches to nanoscale development with unique state-of-the-art equipment, materials and ideas.

With a focus on innovation, the Singh Center is a hub for scientists and researchers that integrates state-of-the-art nanofabrication and nanocharacterization equipment to define new frontiers in nanotechnology. The Center boasts expert and experienced faculty and staff who are committed to the success of its users and interested in new approaches to realizing and implementing nanotechnology applications.



[www.nano.upenn.edu](http://www.nano.upenn.edu)

# The Wistar Institute of Anatomy and Biology

Pennsylvania

Massachusetts

**Location:** Philadelphia, PA

**Year of creation:** 1892

**N° of members:** N/A

**Sector of activity:** Cancers, viral and autoimmune diseases



**Cluster mission:** The mission of The Wistar Institute is to marshal the talents of outstanding scientists through a highly-enabled culture of biomedical collaboration and innovation, in order to solve some of the world's most challenging and important problems in the field of cancer, immunology, and infectious diseases, and produce groundbreaking advances in world health. Consistent with a pioneering legacy of leadership in not-for-profit biomedical research and a track record of life-saving contributions in immunology and cell biology, The Wistar Institute aims to pursue novel and courageous research paths to life science discovery, and to accelerate/potentiate the impact of those discoveries by shortening the path from bench to bedside.

[www.wistar.org](http://www.wistar.org)

# Cambridge Innovation Center



Pennsylvania

Massachusetts

**Location:** Cambridge, MA

**Year of creation:** 1999

**N° of members:** 1000+

**Sector of activity:** Business incubation

**Mission:** CIC's mission is to change the world through innovation by developing ecosystems that allow exceptional entrepreneurs to create new products and companies better and faster. CIC does this by providing infrastructure (high quality, flexible office space) and by actively building startup communities in the premium locations of future-focused cities. CIC companies come from a wide variety of industries, and while the community is composed primarily of startups, it also includes larger companies, investors, and service providers.

Startups housed at CIC have raised over \$2.5 billion in venture capital investment; created over \$2 billion of publicly disclosed exit value; and have added an estimated 40,000 jobs to the economy. In Cambridge, this hive of innovation has drawn the four largest venture capital funds in Massachusetts, with a combined \$7.1 billion of assets under management, to relocate their headquarters into CIC's buildings, alongside a number of smaller funds. Capital, mixed with exceptional talent and strong ideas, accelerates job growth and value creation.

CIC has centers of world-changing innovators in Cambridge, Boston, St. Louis, Rotterdam, and Miami.

<http://cic.us/>

# Fraunhofer Center for Manufacturing Innovation

Pennsylvania

Massachusetts

**Location:** Brookline, MA

**Year of creation:** 1994

**N° of members:** N/A

**Sector of activity:** Biotech/biomedical, consumer products, aerospace, renewable energy, and fiber optics/photonics

**Mission:** The Fraunhofer CMI conducts applied research and development leading to the deployment of technological solutions that enhance the productivity and competitive position of our customers while educating engineering students in the process. Fraunhofer CMI offers product development assistance and manufacturing solutions to local and international industries. The Center works with clients to develop new technologies, improve manufacturing operations, and benchmark against the world's best practices. CMI's unique access to a global research base and its vast experience gives customers an unparalleled advantage.



Fraunhofer CMI - Center for Manufacturing  
Innovation

[www.cmi.fraunhofer.org](http://www.cmi.fraunhofer.org)

# Fraunhofer Center for Sustainable Energy Systems

Pennsylvania

Massachusetts

**Location:** Boston, MA

**Year of creation:** 2008

**N° of members:** N/A

**Sector of activity:** Clean energy

**Mission:** Fraunhofer CSE is an applied research and development laboratory dedicated to building tomorrow's energy future today. The Fraunhofer CSE accelerates the adoption of sustainable energy technologies through scientific research and engineering innovation. The Center's expertise in solar photovoltaics, smart energy-efficient buildings, and grid technologies provides a platform for deeply integrating distributed energy resources through collaborative R&D with private companies, government entities, and academic institutions.



[www.cse.fraunhofer.org](http://www.cse.fraunhofer.org)



# Massachusetts Clean Energy Center

Pennsylvania

Massachusetts

**Location:** Boston, MA

**Year of creation:** 2009

**N° of members:** N/A

**Sector of activity:** Clean energy technologies



**Mission:** The Massachusetts Clean Energy Center (MassCEC) is a publicly-funded agency dedicated to accelerating the success of clean energy technologies, companies and projects in the Commonwealth—while creating high-quality jobs and long-term economic growth for the people of Massachusetts. MassCEC helps clean energy companies grow, supports municipal clean energy projects and invests in residential and commercial renewable energy installations, creating a robust marketplace for innovative clean technology companies and service providers.

MassCEC's objective is to increase the statewide adoption of renewable energy, while driving down the costs of renewable energy and delivering financial and environmental benefits to ratepayers. To do so, MassCEC works closely with residents, businesses and municipalities to develop programs that provide renewable energy solutions for their energy needs. MassCEC's programs also connect communities with the most viable clean energy and water technologies and reduce the energy burden on low- and moderate-income residents, with the hope of fostering the success of the Commonwealth's dynamic clean energy sector.

[www.masscec.com](http://www.masscec.com)

# MIT Center for Biomedical Innovation

Pennsylvania

Massachusetts

**Location:** Cambridge, MA

**Year of creation:** 2005

**N° of members:** N/A

**Sector of activity:** Biomedical and pharmaceutical technologies

**Mission:** CBI's mission is to improve global health by overcoming obstacles to the development and implementation of biomedical innovation. CBI provides a safe and transparent environment for collaborative research among industry, academia, and government, and draws on the expertise of the MIT Schools of Engineering, Science, and Management, as well as the Harvard-MIT Division of Health Sciences and Technology (HST).

In this unique setting, CBI is addressing profound challenges in the global biomedical industry by developing, testing, and disseminating new knowledge and tools designed for real world application through its programs: the Biomanufacturing Program (BioMAN), the Consortium on Adventitious Agents in Biomanufacturing (CAACB), and New Drug Development Paradigms (NEWDIGS).



<http://cbi.mit.edu/>

# MIT Innovation Initiative

Pennsylvania

Massachusetts

**Location:** Cambridge, MA

**Year of creation:**

**N° of members:** N/A

**Sector of activity:** Innovation

**Mission:** The MIT Innovation Initiative collaborates with all five schools at MIT to strengthen the vibrant culture and programming of innovation and principled entrepreneurship. Its mission is to connect the varied pathways and networks in this domain to equip the MIT community and its partners to move powerful ideas from conception to impact. The initiative combines opportunities for hands-on innovation and entrepreneurship education, building a dynamic innovation infrastructure across campus, and fostering a connected community of innovation science researchers focused on global relevance and impact.

The Innovation Initiative serves as a connector across the wide range of student groups, programs, and campus centers dedicated to innovation and entrepreneurship; supports MIT's most successful innovation and entrepreneurship programs to reach more students and external partners; and fills gaps in the landscape through the creation of new educational programs, research efforts, and physical infrastructure that position MIT to thrive for years to come.



<https://innovation.mit.edu/>

# Massachusetts Office of International Trade and Investment

Pennsylvania

Massachusetts

**Location:** Boston, MA

**Year of creation:** 2010

**N° of members:** N/A

**Sector of activity:** International business development

**Mission:** The Massachusetts Office of International Trade and Investment (MOITI) is the Commonwealth's primary international business development agency charged with promoting trade and investment with global partners in Massachusetts and around the world. MOITI is dedicated to building successful international collaborations and partnerships essential to bringing new economic opportunities and investments to the Commonwealth. MOITI's mission is to strengthen the Massachusetts economy, create jobs and increase the Commonwealth's international presence.

MOITI prepares Massachusetts based companies to work in global markets, connects Massachusetts businesses to international partners, develops an informed leadership and constituency for global trade and supports the infrastructure needed to facilitate foreign direct investment in the Commonwealth and the export of Massachusetts goods and services to international markets.

Internationally, MOITI recruits foreign investors, connects the Commonwealth's businesses to global partners, promotes Massachusetts' innovation economy to the international market and educates foreign audiences on the strengths and advantages of Massachusetts as a premier business and investment destination.

[www.mass.gov/hed/economic/eohed/moiti/](http://www.mass.gov/hed/economic/eohed/moiti/)



# Mass Technology Leadership Council, Inc.

Pennsylvania

Massachusetts

**Location:** Burlington, MA

**Year of creation:**

**N° of members:** N/A



MASS TECHNOLOGY LEADERSHIP COUNCIL

**Sector of activity:** IoT, Robotics, Sales & Marketing, Security, Software Development, and Talent Development, AI/Machine Learning, Big Data, Clean Tech, Cloud, Consumer Tech, Ed Tech, Fin Tech, Healthcare Tech, and Mobile

**Mission:** As the largest and most powerful technology association in the region, MassTLC's mission is to accelerate growth and innovation in the Massachusetts technology industry. MassTLC connects people from across the technology landscape and provides access to cutting-edge content and visibility opportunities for member companies.

MassTLC's initiatives connect, promote, and celebrate the Massachusetts technology ecosystem. They include running active cluster communities; Organizing high-value peer groups; offering content on a range of technology areas; hosting Boston's most exciting annual tech events; shining the spotlight on leaders in tech with its annual Leadership Awards Program; examining global trends via CXO events; supporting workforce development for today and tomorrow; and connecting tech execs with policy leaders, academics and investors.

[www.masstlc.org](http://www.masstlc.org)

# Northeast Clean Energy Council & NECEC Institute

Pennsylvania

Massachusetts

**Location:** Boston, MA

**Year of creation:** 2006

**N° of members:** 150+

**Sector of activity:** Clean energy



**Mission:** NECEC's mission is to create a world-class clean energy hub delivering global impact with economic, energy and environmental solutions. NECEC helps clean energy companies start, scale and succeed with its unique business, innovation and policy leadership.

NECEC includes the Northeast Clean Energy Council, a trade member organization, and the NECEC Institute. The Northeast Clean Energy Council is the lead voice for hundreds of clean energy companies across the Northeast, influencing the energy policy agenda and growing the clean energy economy. NECEC Institute leads programs that support Innovation & Entrepreneurship.

NECEC brings together business leaders and key stakeholders to engage in influential policy discussions and business initiatives while building connections that propel the clean energy industry forward. Its results-oriented team is highly skilled at turning a clear vision into reality and effectively influencing policy to build a world-class clean energy hub in the Northeast.

[www.necec.org](http://www.necec.org)