NYSTAR Programs

Advancing Technology Innovation and Commercializing in New York State

NEW YORK STATE OF OPPORTUNITY. | **Division of Science, Technology & Innovation**

A Division of Empire State Development

We're Leading the Way for **New York Innovation**

Over $60 Million | ANNUAL FUNDING   70+ | FUNDED CENTERS

Empire State Development's Division of Science, Technology and Innovation (NYSTAR) provides over $60 million in annual funding to 70+ centers. NYSTAR funded centers provide vital tools for enabling technology- and manufacturing-led growth and job creation.

We offer programs that assist companies from start-up through maturity, leveraging New York's unparalleled investment in **world-class technology assets and expertise. Over the past five years, NYSTAR programs helped create or retain over 40,000 jobs and generated over $8 billion in economic impact.**

Centers *for* Advanced Technology

15 | NYSTAR FUNDED CENTERS

NYSTAR funds fifteen Centers for Advanced Technology (CATs) to encourage greater collaboration between private industry and universities in the development and application of new technologies.

For more information on CATs, visit **esd.ny.gov/centers-advanced-technology**

Centers *of* Excellence

14 | NYSTAR FUNDED CENTERS

Centers of Excellence foster collaboration between the academic research community and business sector to develop new products, promote private sector investment in emerging technology, and expand technology-related businesses and employment.

For more information on Centers of Excellence, visit **esd.ny.gov/centers-excellence**

Advanced Materials & Manufacturing

Additive Manufacturing and Multifunctional Printing (AMPrint) Center
at Rochester Institute of Technology

Center for Advanced Materials Processing (CAMP)
at Clarkson University

Center for Advanced Ceramic Technology (CACT)
at Alfred University

Cornell Center for Materials Research (CCMR)
at Cornell University

Center for Flexible Hybrid Medical Device Manufacturing (FlexMed)
at Binghamton University

Center of Excellence in Materials Informatics (CMI)
at University at Buffalo

Center of Excellence in Advanced & Sustainable Manufacturing (COE-ASM)
at Rochester Institute of Technology

Cleantech, Energy, & Environmental Innovations

Center for Integrated Electric Energy Systems (CIEES)
at Stony Brook University

Center for Future Energy Systems (CFES)
at Rensselaer Polytechnic Institute

Center of Excellence in Environmental and Energy Systems (SyracuseCOE)
at Syracuse University

Advanced Energy Research and Technology Center (AERTC)
at Stony Brook University

Center of Excellence in Weather and Climate Analytics
at University at Albany

Center of Excellence in Healthy Water Solutions
at Clarkson University and SUNY College of Environmental Science and Forestry

Nanotechnology & Electronics

Integrated Electronics Engineering Center (IEEC)
at Binghamton University

Center for Advanced Technology in Nanomaterials & Nanoelectronics (CATN2)
at SUNY Polytechnic Institute

Center of Excellence in Small Scale Systems Integration and Packaging (S3IP)
at Binghamton University

Center of Excellence in Nanoelectronics and Nanotechnology (CENN)
at SUNY Polytechnic Institute

Big Data, IOT, IT, Software
& Other Enabling Technologies

Center for Emerging and Innovative Sciences (CEIS)
at University of Rochester

Center for Advanced Systems and Engineering (CASE)
at Syracuse University

Center of Excellence in Data Science
at University of Rochester

Center for Advanced Technology in Telecommunications (CATT)
at New York University Polytechnic School of Engineering

Center of Excellence in Wireless and Information Technology (CEWIT)
at Stony Brook University

Center for Advanced Technologies in Sensors for Exploration of Natural Systems and Environments (ASRC)
at City University of New York

Life Sciences & Biotechnology

Center for Life Science Enterprise
at Cornell University

Center for Advanced Technology in Big Data & Health Sciences (UB CAT)
at University at Buffalo

Center for Biotechnology (CFB)
at Stony Brook University

Center of Excellence in Bioinformatics & Life Sciences (CBLS)
at University at Buffalo

Center of Excellence in Food and Agriculture Innovation
at Cornell University

Center of Excellence in Precision Medicine and Responses to Bioterrorism and Disasters
at New York Medical College

Agriculture and Food Technology Park Incubator
at Cornell University

For more information on Centers for Advanced Technology and Centers of Excellence, and links to each center, visit
esd.ny.gov/doing-business-ny/innovation-development-support

Centers *of* Excellence in Digital Game Development

Center of Excellence in Digital Game Development
at Rensselaer Polytechnic Institute

Center of Excellence in Digital Game Development
at New York University

Center of Excellence in Digital Game Development
at Rochester Institute of Technology

Manufacturing Extension Partnership

The New York Manufacturing Extension Partnership (NY MEP) is a network of organizations that provide services to small and mid-sized manufacturers across NY.

For more NY MEP information, visit **newyorkmep.org**

NEW YORK
Manufacturing
Extension Partnership

NY MEP Services

- Technology Acceleration
- Product Development and Prototyping
- Process Improvements
- Innovation Strategies
- Quality Control
- Manufacturing Scale-Up
- Supply Chain Assistance
- New Market Strategies

Science + Technology Law Center

The New York State Science + Technology Law Center (NYS STLC), located at Syracuse University, helps entrepreneurs and companies with new technologies identify potential challenges and devise effective strategies to successfully bring those technologies to market.
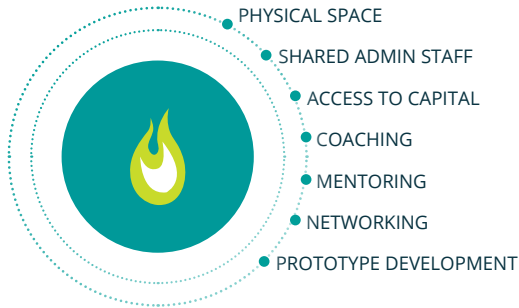
From market landscapes to intellectual property protection to licensing options to potential funding sources, NYS STLC has helped scores of companies and institutions make their technology vision become a commercial reality.

For more information, visit:
www.nysstlc.syr.edu

Innovation Hot Spots and Certified Business Incubators

NYSTAR has designated over 30 Innovation Hot Spots and Certified Business Incubators. Support at individual locations varies, but generally includes:

10
INNOVATION HOT SPOTS

20
CERTIFIED BUSINESS INCUBATORS

- PHYSICAL SPACE
- SHARED ADMIN STAFF
- ACCESS TO CAPITAL
- COACHING
- MENTORING
- NETWORKING
- PROTOTYPE DEVELOPMENT

In addition, Innovation Hot Spots coordinate regional entrepreneurial ecosystems and can offer certain tax benefits to client businesses.

For more information on Innovation Hot Spots and Certified Business Incubators, and links to each center, visit: **https://esd.ny.gov/certified-business-incubator**

Cybersecurity Preparedness

NYSTAR programs and centers assist manufacturing and technology companies with cybersecurity preparedness, as cybersecurity risks continue to increase with the rise of connective technologies and the growing volumes of data companies collect from their processes. 38% of security breaches cost a company more than $1 million. Moreover, defense supply chain companies are now required to comply with federal cybersecurity requirements. The New York Manufacturing Extension Partnership is providing manufacturers with cybersecurity assessments and implementation to protect themselves against these risks.

Defense Industry Assistance

Defense Industry Assistance initiatives aim to strengthen New York State's defense manufacturing base through cybersecurity efforts, market diversification, and the acceleration of innovative technologies for both the commercial and defense sectors. NYSTAR offers initial needs assessments to match companies with the appropriate resources and provides opportunities for companies to interface with NYSTAR centers and U.S. Department of Defense agencies.

Entrepreneurship Navigator

Entrepreneurship Navigator **(https://esd.ny.gov/entrepreneurship-navigator)** dedicated staff, helps curate growth plans for startups, connect founders to available resources, and organize pitch events. Sessions are held for startups/entrepreneurs to work closely (virtually or in person) with representatives from appropriate innovation assets. Participating entrepreneurs will have streamlined access to the NYSTAR network of over 70 centers that support businesses in a variety of ways, including business planning, incubation, prototyping and design support, manufacturing assistance, validation, and research and development. Services support companies at any stage of development from concept through maturity.

Entrepreneurs interested in working with the IRC may contact the help desk: **IRChelpdesk@esd.ny.gov**

FUZEHUB

Are you a manufacturer in need of assistance?

Contact FuzeHub, a non-profit partner of NYSTAR, for a free consultation and referral to the right resource.

www.fuzehub.com/expert-consultation
info@fuzehub.com