

Accelerating Innovation

2025 Annual Review
January - December 2025



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creates in 2025: At-A-Glance



1.65M

Square Feet of Albany NanoTech Complex Offices, Labs, and Cleanroom Space



30K

Square Feet of TAP Facility Offices and Labs, Including 12K Square Feet of Class 1000 Cleanroom Space

3000

Scientists, Engineers, and Staff from Industry, Government, and Academia Based at Creates' Albany NanoTech Complex

856

Creates Employees

\$25B

Assets & Operations Over 20+ Years



Leadership



Dave Anderson
President



Paul Kelly
Vice President of Strategies,
Partnerships, & New Ventures
and Chief Operating Officer



Rebecca Borden
General Counsel



Dr. Christopher Borst
Vice President of Technology
& Infrastructure



Timothy Taylor
Vice President of Corporate
Finance and
Chief Financial Officer



Scott Bateman
Vice President of Finance
& Sponsored Programs
Administration



William Bronner
Vice President of Human
Resources
(Chief Human Resource
Officer)



Amie Kaplin
NY Creates Chief of Staff and
Vice President of Program
Management; AIM Photonics
Interim Executive Director

A Message from President Dave Anderson



To our Creates Team Members, Partners, and Stakeholders,

As a new year begins, I am proud to share NY Creates' remarkable progress and achievements that occurred over the past year. This 2025 Annual Review showcases significant growth, strategic partnerships, and technological advancements highlighting our position as a leader in semiconductor research and development.

In October, we launched a refresh of our organization's logo and branding, marking a dynamic evolution of Creates. This rebranding reflects more than a progressive new look. It represents and highlights our continued commitment to being at the forefront of innovation and collaboration. Our new visual design elements incorporate a vivid green, underscoring our commitment to industry sustainability while signaling a forward-looking, strategic focus on our partners, stakeholders, and the next generation of high-tech talent.

Most significantly, construction at our Albany NanoTech Complex is progressing quickly, including construction of NanoFab Reflection, which will house the most advanced High NA EUV equipment to-date in an accessible setting as part of our High NA EUV Lithography Center. It means Creates stands at the forefront of efforts to bolster U.S. leadership in microelectronics, ensuring our nation remains globally competitive.

During the past year, we also expanded our partnerships with key industry players, academic institutions, and workforce development organizations as we continue to catalyze semiconductor innovation. Enabling future talent remains the cornerstone of our success, and we have prioritized training programs to equip the next generation of innovators with the skills needed to thrive in this rapidly evolving industry.

Looking ahead, Creates is well-positioned to capitalize on emerging opportunities. We will continue to push the boundaries of technological innovation, strengthen our partnerships, and invest in our workforce to ensure sustained growth and impact.

Thank you to our partners, collaborators, and dedicated team for making this past year a success. Together, we drive semiconductor R&D, workforce development, and economic advancement every day. I look forward to another successful year as we continue to work together to shape a stronger, more innovative, and more connected future.

Sincerely,

Dave Anderson
President

Vision and Mission

Vision

Creates is the global epicenter of high-tech innovation

Mission

Creates accelerates next-generation semiconductor technology research and develops the workforce to support the innovation economy



Core Values

Integrity

We uphold the highest ethical standards, ensuring transparency, accountability, and the responsible use of all our resources. Integrity is the foundation of our work, building confidence with our partners and community.

Collaboration

We foster a culture of cross-sector partnerships, uniting government, academia, and industry to create an innovation ecosystem that is greater than the sum of its parts. Our success is powered by working together and leveraging our diverse perspectives.

Innovation

Innovation is our driving force. We invent and deploy breakthrough technologies that solve real-world challenges, advance economic prosperity, and champion environmental responsibility for New York and the nation.

Excellence

We are relentless in our pursuit of excellence, from our world-class facilities and talented people to our processes and outcomes. We are dedicated to continuous improvement and delivering the highest quality in everything we do.

Community

We are committed to building a vibrant community both within Creates and across the broader ecosystem. We invest in the next generation of scientists, engineers, and leaders to secure the future of technology innovation for all.

Major Announcements



Executing the Vision for the New High NA EUV Center at Creates

Creates is building on the December 2023 announcement by Gov. Kathy Hochul who announced a \$10 billion partnership with leaders from the semiconductor industry such as IBM, Micron, Applied Materials, Tokyo Electron, and others to establish a next-generation semiconductor R&D center at Creates' Albany NanoTech Complex. The cutting-edge **High NA Extreme Ultraviolet Lithography Center**, within NanoFab Reflection, is being constructed and is expected to be complete in 2026, offering the first and only non-profit owned, accessible High NA EUV Center in North America. The Governor marked the topping out, **the raising of the final steel beam** for NFR in early December.



Creates and SCREEN Partnership

Governor Kathy Hochul **announced a strategic international partnership** between Creates and SCREEN, a Japan-based semiconductor equipment manufacturing company and leader in wet etching and cleaning applications. The agreement includes SCREEN's use of 10,000 square feet of cleanroom space within Creates' new NanoFab Reflection building, currently under construction, 5,000 square feet of office space at Creates' Albany NanoTech Complex, and more than \$75 million in expected spending during the first three years of an overall ten-year R&D partnership.



Advancing Semiconductor Innovation Through SUNY – NY Creates Technology Innovation Institute (TII)

SUNY announced the **SUNY – NY Creates Technology Innovation Institute (TII)** to advance semiconductor research and workforce development. The TII will form connections that will expand student internships, create industry faculty positions, and establish a TII SUNY Corridor and Postdoctoral Fellowship Program.



New RPI Facility at Creates to Support Collaborative Research and Workforce Development

Rensselaer Polytechnic Institute (RPI) launched the **Semiconductor CoLab** at NY Creates' Albany NanoTech Complex, establishing a dedicated 6,000-square-foot facility designed to advance semiconductor research and strengthen academic programming in microelectronics.



IBM: All future IBM Quantum Development Roadmap Chips to be Fabricated at NY Creates

IBM revealed that IBM Quantum Loon and IBM Quantum Nighthawk—plus all future chips on the IBM Quantum Development Roadmap—are being fabricated at NY Creates' Albany NanoTech Complex using state-of-the-art 300mm semiconductor wafer technology. [Read More](#)

Notable Visits



Taiwanese Delegation Visits Creates

A distinguished delegation from Taiwan visited Creates' Albany NanoTech Complex where they met with representatives from NORDTECH member organizations as well as leading industry partners. The visit served as a platform for strengthening international collaboration, sharing insights on advanced semiconductor R&D, and exploring opportunities to align efforts across innovation ecosystems.



Creates Hosts New York Federal Reserve Chair

Creates, in partnership with the **Center for Economic Growth**, was honored to host John C. Williams, President and CEO of the Federal Reserve Bank of New York, as he brought insight into the U.S. economy. President Williams took a tour of our Albany NanoTech Complex and then provided a deep look into economic headwinds and tailwinds before taking questions from the audience of local business leaders and stakeholders. [See more](#) here.



Creates Hosts Doctoral Students from Keio University

Doctoral students from Keio University in Japan visited Creates as part of the newly launched Keio SPRING Global Citizenship Program, Innovation Ecosystem Fieldwork 2025 supported by the Japan Science & Technology Agency (JST). During their visit, the students engaged with Creates and our partners, including IBM, Tokyo Electron, and the University at Albany, to explore how international collaboration fuels next-generation semiconductor R&D and strengthens workforce pipelines.



AIM Photonics Welcomes Startups to the Albany NanoTech Complex

AIM Photonics welcomed 12 startups from the Luminate Accelerator Program's 8th cohort. These innovative companies are advancing technologies powered by light, which will impact a wide range of industries.

Notable Visits



U.S. Department of Energy, National Labs, and Creates Meet for a Collaborative Workshop

Leaders and research teams from Brookhaven National Laboratory and Lawrence Berkeley National Laboratory participated in a joint workshop with Creates leaders and researchers at the Albany NanoTech Complex. Christian Newton, Chief of Staff for the Office of Science at the U.S. Department of Energy, gave the keynote.



Creates Hosted Leaders from TetraMem

Creates hosted leaders from TetraMem, including CEO Glenn Ge, for an on-site visit to the Albany NanoTech Complex to meet with our technical and leadership team members, including Creates President David Anderson and Vice President of Strategies, Partnerships, & New Ventures and COO Paul Kelly, to connect and talk about ongoing and upcoming R&D collaborations.



American Council on Germany Visited the Albany NanoTech Complex

The American Council on Germany, as part of the German-American Semiconductor Cities Network (GASCN), visited the Albany NanoTech Complex for an insightful tour, a panel discussion, and a presentation by Dr. Robert Geer, Vice President for Education and Workforce Development, focused on collaborative research efforts. The panel, moderated by Derek Martin, Creates Director of Outreach, featured representatives from Tokyo Electron US, IBM, GlobalFoundries, NORDTECH, and Creates COO Paul Kelly.

New Partnerships and Research News

Fraunhofer IPMS Partners on Joint Development with Creates

Creates and Fraunhofer IPMS announced at a signing ceremony at the Albany NanoTech Complex in May a new Joint Development Agreement (JDA) to drive research and development focused on memory devices. The JDA will leverage and link the strengths of each organization to engineer, develop, and characterize these devices that are critical for advancing the memory development ecosystems of each respective organization.

Creates Joins NYS Delegation in the Netherlands to Advance Global Semiconductor Partnerships

Creates joined an international business delegation to the Netherlands in June, led by Empire State Development (ESD) Commissioner Hope Knight. The delegation included representatives from New York State companies, academic institutions, and innovation partners, all working together to strengthen international collaboration in semiconductors, photonics, and new technologies.

Irina Spiry, Sustainability Engineering Manager at Creates, with Michelle Crimi, Dean of the Graduate School and Interim Vice Provost for Research and Technology Transfer at Clarkson University, delivered a presentation on industry sustainability and environmental impact for the semiconductor industry.

Partnership with Texas A&M University System to Advance Semiconductor Research and Workforce Development

Members of Creates and Texas A&M University System announced a partnership to advance semiconductor research and workforce development across the U.S. Creates and the Texas A&M University System plan to collaborate on cutting-edge semiconductor R&D, including materials science, chip design, and advanced manufacturing, and the development of joint education and workforce training programs to prepare the next generation of engineers, technicians, and researchers. With this executed memorandum, the two organizations will share use of facilities and state-of-the-art equipment, helping to further strengthen the nation's high-tech ecosystem.

AIM Photonics Celebrates Its 10 Year Anniversary

Since its inception in 2015, AIM Photonics has developed a path to manufacture photonic integrated circuits supporting the Department of Defense Manufacturing Technology (ManTech) Program for domestic priorities. The institute spurs commercial innovation and makes the U.S. globally competitive. AIM Photonics continues to drive progress and shape the next generation of advanced photonic integrated circuit manufacturing in the U.S.



Creates Showcases Innovation and Collaboration at Silicon Saxony

The Creates Business Development Team attended the **2025 Silicon Saxony Conference** in Dresden, Germany in June. Frank Tolic, Creates Director of Business Development, delivered a presentation and participated in a panel discussion on strengthening global semiconductor ecosystems.

New Partnerships and Research News

2025 NORDTECH Annual Meeting

The 2025 NORDTECH Annual Meeting brought together a community of hub leaders, members, partners, academic institutions, industry experts, and government stakeholders at the Griffiss Institute's Innovare Advancement Center in Rome, NY. The meeting was attended by more than 150 participants and featured a dynamic program of sessions covering workforce development, quantum technologies, and other technical project updates.

Research by AIM Photonics, Air Force Research Laboratory, and memQ Published in Nano Letters

Collaborative research by AIM Photonics, Air Force Research Laboratory, and memQ was **published in Nano Letters**, titled, "Monolithically Integrated C-Band Quantum Emitters on Foundry Silicon Photonics."

NORDTECH Hub Internships

This summer, the NORDTECH program supported over 20 student interns as they gained hands-on experience in cutting-edge technologies, semiconductor fabrication, photonics, quantum, AR applications, and more!

Tune in to the Latest Podcast Episode of Photonics in Focus

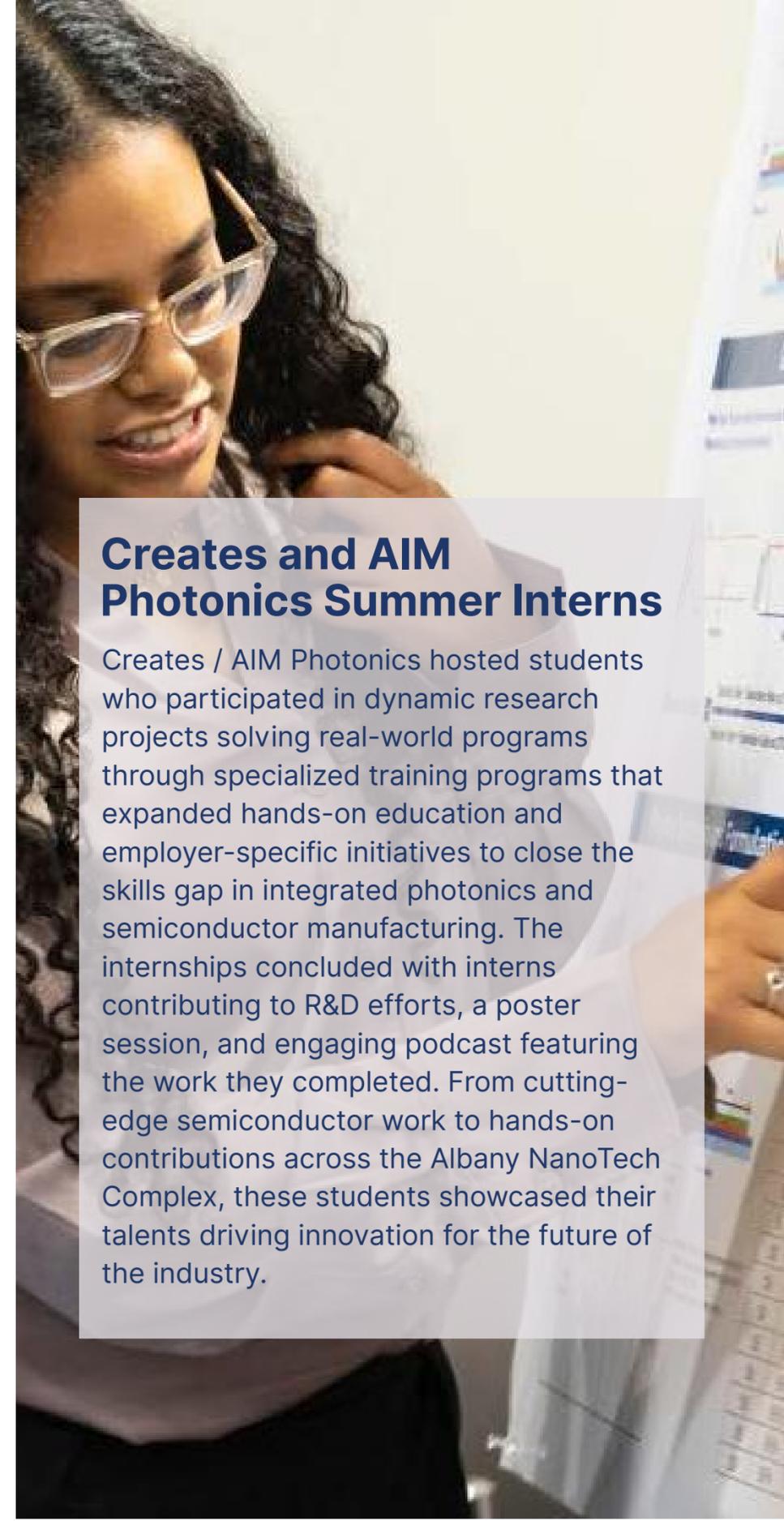
The Real Work, Real Impact: Inside AIM Photonics' Internship Program episode of **Photonics in Focus** features a conversation between Dr. Robert Geer, Creates / AIM Photonics Director of Education and Workforce Development, and Andrada Niculae, Creates Experiential Learning Coordinator, and three AIM Photonics summer interns. The discussion highlights how internships like these are influencing students' career paths while building the skilled and in-demand workforce essential for the future of the U.S. photonics industry.

Creates Viewing of Sustainability Webinar

Prof. Tensie Whelan from the NYU Stern Center for Sustainable Business presented a webinar to Creates staff titled "How to Ensure Sustainability Initiatives Drive Enterprise-Wide Value Creation for Creates and its Members." Attendees learned about building the business case for industry sustainability initiatives, how sustainability can drive financial performance and competitive advantage for the organization, and how embedding sustainability into core business strategy can benefit multiple organizational metrics.

Creates and AIM Photonics Summer Interns

Creates / AIM Photonics hosted students who participated in dynamic research projects solving real-world programs through specialized training programs that expanded hands-on education and employer-specific initiatives to close the skills gap in integrated photonics and semiconductor manufacturing. The internships concluded with interns contributing to R&D efforts, a poster session, and engaging podcast featuring the work they completed. From cutting-edge semiconductor work to hands-on contributions across the Albany NanoTech Complex, these students showcased their talents driving innovation for the future of the industry.



New Partnerships and Research News

AIM Photonics Showcases Advanced Innovations at EPS 2025

AIM Photonics exhibited and presented at the 36th Annual Electronics Packaging Symposium (EPS) at GE Aerospace Research Center in Niskayuna, NY. David Haramé, AIM Photonics Chief Operating Officer, delivered a presentation and participated in a panel discussion on co-packaged optics. Christopher Striemer, Director of Test, Assembly, and Packaging at AIM Photonics, presented “Co-Process and Co-Design for Co-Packaged Optics.”

NORDTECH's Lunch & Learn Series Presents One Path to Practical Neuromorphic Computing

Clare Thiem, Principal Electronics Engineer at Air Force Research Laboratory's Information Directorate, discussed how the pursuit of AI and machine learning is rapidly reshaping the landscape, creating an environment rich with opportunities.

Creates Participated in the 2025 Albany Nanotechnology Symposium

Creates participated in the Albany Nanotechnology Symposium, hosted at the University at Albany's ETEC Center. Creates' Director of EUV Strategy and Partner Relations, Dr. Erin Lagivne, joined a panel discussion on “Challenges and Career Opportunities in the Semiconductor Industry,” and Creates' Vice President of Technology & Infrastructure Dr. Christopher Borst presented “NY Creates: Building a Technology Ecosystem.”

Advancing Quantum Innovation with our Partners at Brookhaven National Laboratory

The U.S. Department of Energy (DOE) announced \$125 million in renewed funding for the Co-design Center for Quantum Advantage (C2QA), a national research effort led by Brookhaven National Laboratory and supported by 28 partner institutions, including Creates.

Creates Signs MOU With RISE-A

Creates signed a Memorandum of Understanding (MOU) with Japan-based RISE-A to pursue joint research activities and programs in the semiconductor industry between the high-tech ecosystems of New York's Capital Region and beyond in the U.S. and Japanese businesses and local ecosystems in Japan.

SEMI Northeast Fall Forum at Albany NanoTech Complex

Creates was proud to host the SEMI Northeast Fall Forum in September. The event featured in-depth conversations on emerging technologies, including digital twins, EUV lithography, and advanced packaging. President Dave Anderson and Chief Operating Officer & VP of Strategic Programs & New Ventures Paul Kelly delivered opening remarks. Chief Human Resources Officer Will Bronner and Educational Outreach and Workforce Development Manager Capri O'Hara contributed to a Workforce Development Panel, emphasizing Creates' commitment to cultivating the talent pipeline necessary to sustain U.S. leadership in the semiconductor industry.



New Partnerships and Research News

Dr. Erin Lavigne Presented at SEMI Electronic Specialty Gases & Systems (ESGS) Conference

Creates' Dr. Erin Lavigne, Senior Director of EUV Technology Strategy and Partnerships, presented "NY Creates Advanced Patterning Technology Development Programs" at the SEMI ESGS Conference in Chandler, AZ.

Creates President David Anderson Joined U.S. Leaders at Quantum Workshop in Tokyo

Creates President David Anderson joined leaders from across the U.S. quantum ecosystem for the "Accelerating Japan—U.S. Cooperation in Quantum Technologies" workshop at the International House of Japan in Tokyo. During the "Perspectives from Key U.S. Quantum Clusters" panel, Pres. Anderson represented the New York Quantum Cluster, highlighting how "New York is a nascent quantum cluster that's certainly expanding rapidly."

Creates Partners with University at Albany and miSci to Launch GE Aerospace's Next Engineers Programs

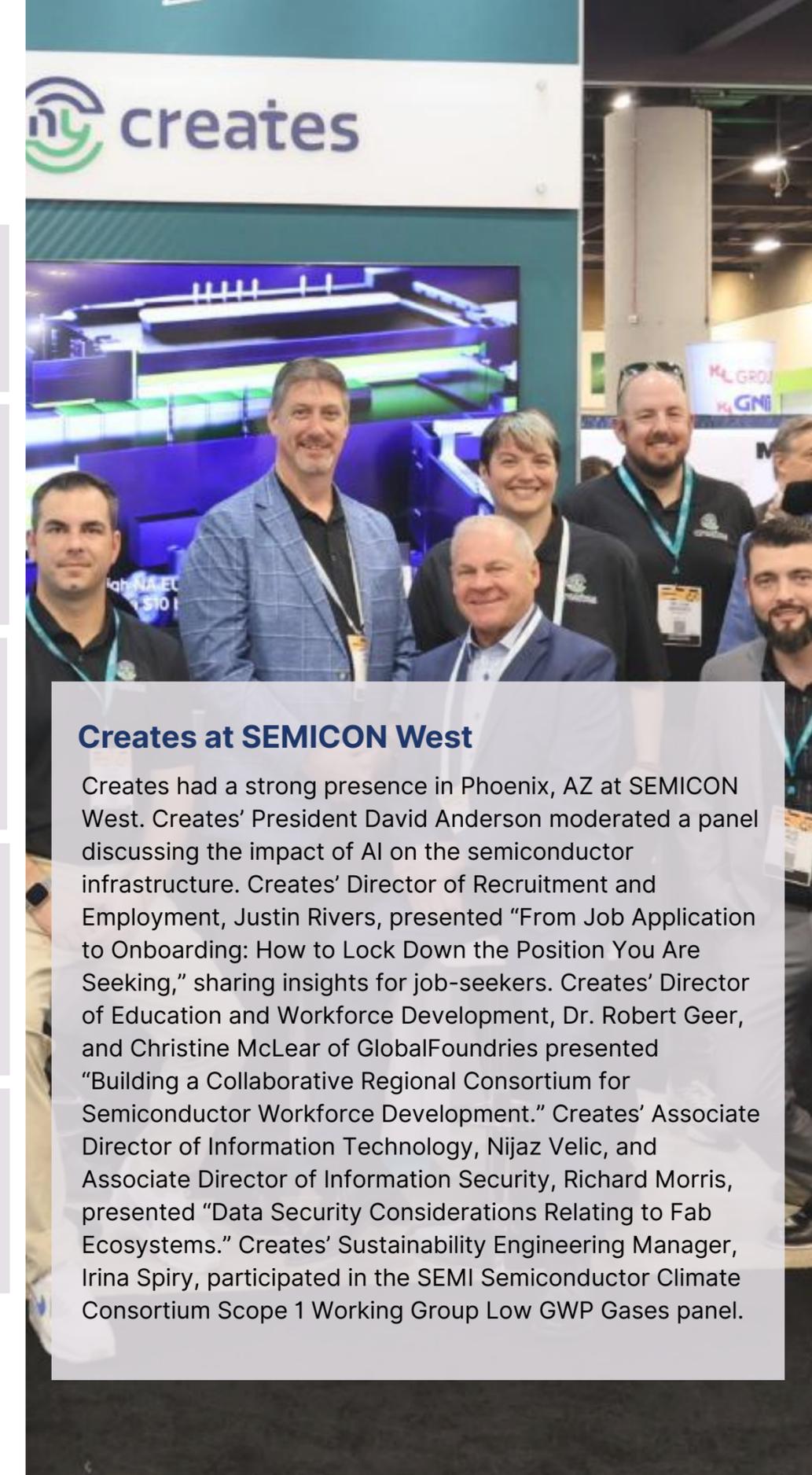
Creates partnered with the University at Albany and miSci Museum of Innovation and Science to launch GE Aerospace's Next Engineers program in New York's Capital Region. This collaborative educational program empowers students ages 13-18 with immersive, hands-on experiences in engineering and STEM.

Creates Hosts New York Quantum Day

Creates welcomed participants to our Albany NanoTech Complex for New York Quantum Day, bringing together researchers, engineers, and industry leaders to drive advancements in the scalable fabrication of superconducting qubits. The two-day workshop was part of the SQFab program funded by NORDTECH and featured talks by Creates President David Anderson and Creates Director and NORDTECH Technical Director Dr. Nicholas Fahrenkopf as well as tours of our state-of-the-art 300mm fabrication facility.

Creates at SEMICON Europa

At SEMICON Europa in Munich, Germany, Creates connected with global partners, met new potential collaborators, and continued strengthening our reputation as a world leader in innovation and chip R&D. Frank Tolic, Creates' Director of Business Development, gave an insightful presentation on industry sustainability initiatives at Creates.



Creates at SEMICON West

Creates had a strong presence in Phoenix, AZ at SEMICON West. Creates' President David Anderson moderated a panel discussing the impact of AI on the semiconductor infrastructure. Creates' Director of Recruitment and Employment, Justin Rivers, presented "From Job Application to Onboarding: How to Lock Down the Position You Are Seeking," sharing insights for job-seekers. Creates' Director of Education and Workforce Development, Dr. Robert Geer, and Christine McLear of GlobalFoundries presented "Building a Collaborative Regional Consortium for Semiconductor Workforce Development." Creates' Associate Director of Information Technology, Nijaz Velic, and Associate Director of Information Security, Richard Morris, presented "Data Security Considerations Relating to Fab Ecosystems." Creates' Sustainability Engineering Manager, Irina Spiry, participated in the SEMI Semiconductor Climate Consortium Scope 1 Working Group Low GWP Gases panel.

New Partnerships and Research News

Creates and JETRO Announce Strategic Partnership to Strengthen U.S.-Japan Collaboration in the Semiconductor Industry

Through this new partnership, **Creates and JETRO** intend to connect leading organizations in both the U.S. and Japan, leveraging their networks to drive innovation in semiconductor technologies and to bolster their respective high-tech ecosystems.

Creates' Satyavolu Papa Rao Publish in Communications Physics Journal

Creates' Senior Director of Emerging Technologies and Research Dr. Satyavolu (Pops) Papa Rao, along with collaborators from Boston University, Lightmatter, and Cornell Tech **published "Photonics for Sustainable AI" in Communications Physics**. The research "explores the potential of photonics as a carbon-sustainable solution for the next-generation AI hardware."

Creates Leaders Attend HVCC Groundbreaking

Creates President David Anderson, along with other Creates leaders, attended the groundbreaking of Hudson Valley Community College's (HVCC) Advanced Technology Education Center (ATEC). This came after Creates raised a portion of the funding to help construct and equip the new facility, advancing semiconductor education, expanding apprenticeship and cleanroom training, and preparing students for rewarding careers in this fast-growing industry.

Creates Leaders Join National Policy Forum

Creates' Dr. Nicholas Fahrenkopf, Director and Technical Director of the Microelectronics Commons NORDTECH Hub, and Dr. Robert Geer, VP for Education and Workforce Development, took part in a Microelectronics Policy Forum focused on the Capital Region's semiconductor ecosystem. Together, they shared insights from Creates' leading role in advancing semiconductor R&D across New York State and the nation, specifically highlighting the power of industry collaborations, strategies for bridging the "valley of death" between research and commercialization, and lessons learned from regional workforce development initiatives.

AIM Photonics Director Shares U.S. Leadership in Photonics Packaging at IEEE Symposium in Japan

AIM Photonics' Test, Assembly, and Packaging (TAP) Director Christopher Striemer represented U.S. expertise on the global stage at the IEEE CPMT Symposium (ICSJ) in Kyoto, Japan. As a leader in integrated photonics packaging, Chris shared insights into the rapidly expanding domestic packaging landscape and highlighted Creates' efforts to strengthen collaboration between U.S. and Japanese companies in materials, packaging, and optical fiber technologies.



Creates at SEMICON Japan

During SEMICON Japan, Creates participated in a JETRO-organized joint seminar highlighting collaborative semiconductor initiatives under our MoU signed last December. Speakers showcased advanced technology platforms, including high-NA EUV patterning and advanced packaging, aligned with JETRO's J-Bridge open innovation program.

Dong Kyun (DK) Sohn, Ph.D., Senior Director of Technology Ramp, Presenter

NiiCA Awards Scholarship to Creates Apprentice

Quazi Ummehany, a Creates Cleanroom Operator, was awarded the **Maddison Spaulding Memorial Scholarship** by the National Institute for Industry and Career Advancement (NiiCA). This scholarship program supports apprentices who exemplify the drive and passion for excellence in manufacturing, helping to build a strong and skilled workforce to support our nation's talent pipeline.



New Workforce Development Initiatives

Creates Participates in a NiiCA and CSIS Workforce Development Panel Discussion

Creates' Dr. Robert Geer, Vice President of Education and Workforce Development, was a panelist for a **discussion led by the National Institute for Industry and Career Advancement (NiiCA)** in March at Syracuse University.

New Capital Region BOCES Program Will Prepare Students for the High-Tech Industry

The new Capital Region BOCES **New Visions: Emerging Technologies program** will be offered beginning in the 2025-26 school year. This program was developed in collaboration with industry leaders Plug and Creates to ensure students gain cutting-edge skills and real-world insights, preparing students for immediate employment or for prestigious apprenticeship programs in the semiconductor and hydrogen/fuel cell industries.

New Advanced Research Tool at Creates Provides Opportunities for Hands-On Training

The new **Bruker D8 DISCOVER Plus X-ray Diffractometer (XRD)** housed at the Albany NanoTech Complex is a cutting-edge tool that serves as a resource for Creates' technical staff and on-site industry partners for high-precision materials analysis. Students and individual researchers may be trained to operate this tool independently, helping them develop practical skills in materials characterization and data analysis.

Creates Hosts Tech Valley High School STEMpowerment Camp

Creates partnered with Tech Valley High School student campers for their annual STEMpowerment camp program. The students participated in hands-on learning activities and opportunities to explore STEM careers, including discussions with industry experts from Tokyo Electron US, IBM, and Creates.

Latest Cohort of the Veteran Semiconductor Training and Experience Program (Vet S.T.E.P.) Completed Training at Creates

The latest cohort of the **Vet S.T.E.P. Program** completed their training at Creates in June. These U.S. military veterans gained valuable insights and strengthened their technical skills through immersive, hands-on training during this workforce development program specifically created for veterans and transitioning service military members.

Creates Signs Five Future Cleanroom Operators at Capital Region BOCES CTE National Signing Day

As part of the **2025 Career and Technical Education (CTE) National Signing Day** celebration, Creates recognized five exceptional high school seniors who have committed to joining our team as Cleanroom Operators (CRO I) upon graduation. Their signing and committing to start their careers at Creates reflects the power of strong education-to-career pathways and the bright future of the semiconductor industry in our region.



New Workforce Development Initiatives

Dr. Robert Geer Interviewed on the **IgniteU NY Podcast** About Workforce Development Efforts

Dr. Robert Geer, Vice President for Education and Workforce Development, was interviewed on the IgniteU NY Podcast, where he shared insights on how Creates is helping grow the next generation of semiconductor talent. From a CRO Apprenticeship program to the VET S.T.E.P. program as well as industry-academic partnerships, Dr. Geer discussed the critical role Creates plays in building a high-tech workforce.

Creates Education and Workforce Development (EDW) Team Attended the **2025 Advanced Technological Education (ATE) Principal Investigators' Conference**

The Creates EDW Team traveled to Washington, D.C. for the 2025 Advanced Technological Education (ATE) Principal Investigators' Conference, where Creates interns Simon Corrales-Builes from LaGuardia Community College and Jimmy Porrier from Columbus State Community College were also recognized with awards for their outstanding work at our Albany NanoTech Complex. At the conference, the EDW team led a panel on "Experiential and Work-Based Learning for Community College Students in the Semiconductor Industry," exploring how hands-on programs can connect students with real-world opportunities.

UAlbany Students Get a Look Inside Creates' World-Class Facilities

Students from the University at Albany's Micro and Nano Materials Processing Technology and Fundamentals of Nanoelectronics courses visited to explore our state-of-the-art cleanroom facilities and saw major process modules up close, from lithography (including EUV) and metrology to etch, metals, CMP, and test. Led by Creates & NORDTECH Technical Director, Dr. Nicholas Fahrenkopf, the student tour offered a look at how a cutting-edge R&D fab facility operates, bridging the gap between classroom concepts and real-world semiconductor innovations, inspiring the high-tech workforce of tomorrow.

Watch: **Creating the Future at NY Creates: Driving America's Semiconductor Innovations & Talent Pipeline**



Media Spotlight—Select Coverage

Creates Featured in Japan External Trade Organization Video

Creates was highlighted in a [video](#) from the Japan External Trade Organization (JETRO), showcasing our partnership to strengthen U.S.—Japan collaboration within the semiconductor industry.

Creates Participates in Albany Business Review’s 2025 State of the Economy Panel Discussion

Creates Chief Operating Officer, Paul Kelly, joined fellow regional leaders for the Albany Business Review’s 2025 State of the Economy panel discussion in May. He shared how Creates is poised for growth as we expand partnerships, support hundreds of construction jobs, and continue to hire for numerous positions at the Albany NanoTech Complex.

NORDTECH Technical Director Dr. Nicholas Fahrenkopf Recognized as 40 Under 40 Honoree by the Albany Business Review

Dr. Nicholas Fahrenkopf, Creates Director and Technical Director of the Northeast Regional Defense Technology Hub (NORDTECH), was honored as a [2025 Albany Business Review 40 Under 40 recipient](#). Through his leadership of the NORDTECH program, Dr. Fahrenkopf helps advance national security and economic competitiveness by driving microelectronics innovation and facilitating collaboration among academic, government, and industry partners.

Fuzehub: Upstate NY Positioned as National Leader in Glass-Based Microelectronics

Creates Director and NORDTECH Technical Director Dr. Nicholas Fahrenkopf was featured in a [Fuzehub news release](#) about Upstate Makes and its development of a glass innovation and training hub in Upstate New York.

Albany Business Review Spotlight on Key Creates Partner, TTCA

The Albany NanoTech Complex was featured in an [Albany Business Review](#) article highlighting the growth of on-site partner TEL Technology Center, America: “This is just the foremost place on the planet where you have literally the best and brightest in semiconductor R&D, then all the other tools at their disposal here—equipment, software, hardware, the infrastructure...” said President of TTCA, Alex Oscilowski.

Creates selected as ‘Strategist of the Year’ by Albany Business Review

“As president of NY Creates, the state-backed organization that manages the Albany NanoTech Complex, David Anderson believes there is no other facility like it in the U.S. The organization is strategically positioning itself to build on that distinction through investments such as the new NanoFab Reflection project that’s currently under construction...”



Media Spotlight—Select Coverage



The Berkshire Edge: The Capital Region is a Growing “Tech Valley”

NY Creates’ Albany NanoTech Complex and NanoFab Reflection were mentioned in [The Berkshire Edge](#) as contributing to making the Capital Region a “growing ‘Tech Valley.’”

Creates and AIM Photonics Mentioned in Quantum Computing Report Highlighting memQ’s Research

[Quantum Computing Report](#) highlighted memQ’s breakthrough results on integrating matter qubits onto a commercial foundry platform as part of collaborative work done by AIM Photonics through Creates’ NanoTech Complex.

Creates Featured in a NYSTEC Albany Business Review Article

Creates was recently highlighted in an Albany Business Review [article](#) featuring NYSTEC and its IgniteU program, which connects companies with valuable market research, R&D assets, and strategic partnerships.

Creates Continues to Share R&D, WFD, and Economic Advancement Updates with Podcast

Creates’ tech-talk podcast, Creates’ NanoChat, focuses on the organizations’ R&D efforts and capabilities, as well as related workforce development, and aims to connect with a broad audience. Learn more here: <https://ny-creates.org/podcast/>

Creates Featured in RPI and GlobalFoundries News Release

Creates was featured in an RPI and GlobalFoundries news release, highlighting the expansion of semiconductor research, education, and workforce development opportunities: “More than 150 RPI alumni currently work at GF, and each year a sizeable cohort of RPI students are hired for internships and full-time roles at the company. RPI recently opened a 6,000 square-foot facility at NY Creates’ Albany NanoTech Complex...”

Albany NanoTech Complex Mentioned in Governor’s Syracuse STEAM HS Announcement

Governor Hochul’s [news release](#) touts Creates’ High NA EUV Lithography Center’s continued progress and its importance in supporting the long-term growth of New York’s tech economy.



Employee Engagement



Lunch & Learn Series

Creates, working with on-site partners, holds a monthly series of talks intended to educate partners working at the Albany NanoTech Complex about the different areas of ongoing R&D, how decisions made by one group may impact others, and how employees can help contribute toward the mutual success of this growing ecosystem.



Creates Panelist at University at Albany Event

Creates Research Scientist, Dr. Ekta Bhatia, was a panelist for the University at Albany's International Women's Day event. She shared her educational journey, career insights, and practical advice for breaking into the high-tech semiconductor industry. Her presentation highlighted the importance of perseverance and continuous learning.



Belonging Workshop

Creates welcomed Dr. Mark Montgomery, who led a workshop on fostering belonging and promoting civility in the workplace. It was a morning full of stories, laughter, questions, and community.



American Red Cross Blood Drives

A number of Creates team members donated blood during our employee American Red Cross Blood Drives in May and August. Our team is inspired to make a difference and help those in need.



Health & Wellness Fair

The Health & Wellness Fair brought together fitness trainers, healthcare professionals, and health food vendors to support our employees' well-being! Attendees enjoyed relaxing chair massages, free health screenings, and nutritious snacks.



Creates Emerging Leaders Training Program

Creates is proud of the first three graduating cohorts of our new Emerging Leaders Training Program. These dedicated employees completed the leadership development training and demonstrate the skills that define strong leaders.



Hop into Spring Family Day

Creates employees and their families welcomed spring at the Hop into Spring Family Day. Guests enjoyed delicious refreshments, an egg hunt, crafts, games, and even a photo op with a Spring Bunny!



CDPHP Workforce Team Challenge

The Creates team laced up their sneakers and got in their steps as they walked or ran through downtown Albany for the 2025 CDPHP Workforce Team Challenge!

Employee Engagement



2nd Annual Creates Classic

The second annual Creates Classic golf tournament was held in June. This event supports projects like the LEARN program that provides internships to students from across New York, and the VET S.T.E.P. program for military veterans and transitioning personnel, as well as K-12 engagement and educational programs.



Family Night at TriCity Valley Cats

President Dave Anderson threw out the first pitch at a Tri-City ValleyCats baseball game in June for Creates' Family Night. Creates employees and their families enjoyed a fun night out at the ballpark.



Creates Town Hall Meetings

President Dave Anderson and other members of the Senior Leadership Team shared key organizational updates and celebrated our achievements at our series of Town Hall meetings in March, June, and November. The June Town Hall meeting was followed by a fun ice cream social and the November meeting was followed by cider donuts!



2nd Annual Chips, Cars, & Coffee Social

Start your engines! Creates employees and their families enjoyed a fun day fueled by custom cars, fresh coffee, and great company!



Creates HR Team and TAP Facility Team Connect at Rochester Red Wings Game

The Creates Human Resources team joined members of the Creates / AIM Photonics Test, Assembly, and Packaging (TAP) Facility team at the ballpark, enjoying a night out at a Rochester Red Wings baseball game. This fun outing followed a day of HR benefits and support resources informational presentations to our Creates staff at the TAP facility.



The Sounds of Summer Hit a High Note with a Special Performance by NanoJazz

We were treated to a special midday performance by NanoJazz, a talented ensemble organized by Dr. Robert Brainard of the University at Albany College of Nanotechnology, Science, and Engineering (CNSE) and featuring Christopher Bottoms from IBM, Angélique Raley from Tokyo Electron US, and several gifted CNSE undergraduate students.



Celebrating National Service Dog Awareness Month

This September, Creates celebrated National Service Dog Awareness Month by supporting Operation At Ease, a program that pairs dogs from shelters with veterans and first responders and provides a free guided training program for post-traumatic stress and mobility service dogs. Creates collected donations for this important organization, which included items like leashes and training treats. Our employees also had the opportunity to meet service while enjoying a delicious snack from a NY Popcorn food truck!

Employee Engagement



Employee Step Challenge

As part of National Wellness Month, Creates employees formed teams and competed in a company-wide step challenge. In just 31 days, our 189 participants walked 59,697,761 steps! That's the equivalent of 29,849 miles, with an average of more than 315,000 steps per participant.



Creates Staff Celebrate National Chemistry Week

Creates staff celebrated National Chemistry Week by participating in an event sponsored by the Eastern New York Section of the American Chemical Society at the New York State Museum. Over 140 children and 260 total attendees learned about "The Hidden Life of Spices" through hands-on demonstrations.



Honoring Creates Veterans

In recognition of Veterans Day, Creates hosted a special breakfast to honor our nearly 50 employees who have served in the U.S. Armed Forces. The event was a morning of reflection, camaraderie, and gratitude, as veterans celebrated the tremendous contributions of our colleagues both in and out of uniform. Creates proudly thanks all who have served.



Creates Family Winter Holiday Party

Employees and their families came together to celebrate the winter holidays at the Creates Family Holiday Party. There were festive activities and food and photo opportunities with Santa, supported by volunteers from Hudson Valley Community College (HVCC).



Harvest of Innovation Fall Party

Creates employees had a fantastic time celebrating our Harvest of Innovation Fall Party. Everyone was treated to delicious seasonal food, a festive photo booth, and a creative caricature artist, along with raffles and prizes. It was a wonderful opportunity for Creates to come together as a team and celebrate the spirit and foods of the fall season. Thank you to everyone who contributed to the event and making Creates such a great place to work!



Creates Family Halloween Party

Creates hosted its annual Family Halloween Party, a spirited afternoon filled with creativity, costumes, and fun! Employees and their families gathered for Halloween activities, featuring pumpkin decorating, games, and trick-or-treating stations. Both kids and adults joined in the costume parade, and enjoyed some sweet treats, and festive food. Thanks to the Siena Swim & Dive Team volunteers and to everyone who helped make this celebration such a memorable event.



Creates and AIM Photonics Bring Hands-On Innovation to STEM and Nanotechnology Family Day

Creates and AIM Photonics team members participated in STEM and Nanotechnology Family Day, a part of UAAlbany's month-long **NANOVember celebration**. This fun-filled event invited families to dive into the world of science and technology through engaging activities, including testing robots, building Legos, investigating climate science, to exploring thin films, light-bending materials, and mixing up non-Newtonian fluids.



Accelerating Innovation

2025 Annual Review
January - December 2025



Watch: NY Creates, Accelerating Innovation



Watch: High-Tech in Motion: Creates' Albany NanoTech Complex



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