

Massachusetts Climatetech Studio

Powered by  MASSACHUSETTS
CLEAN ENERGY
CENTER and  FEDTECH

2024 - 2025 Impact Report

The Massachusetts Climatetech Studio is a 16-week accelerator powered by MassCEC and FedTech that bridges the gap between university laboratories and the marketplace. The program matches promising climate-related intellectual property from partner labs with entrepreneurial talent, guiding teams through technology assessment, business model development, and venture creation, culminating in a competitive final showcase. Over two cohorts (2024 and 2025), the Studio established itself as a unique and vital pipeline for climate technology commercialization in Massachusetts and beyond.

Studio Key Metrics

Metric	2024 Cohort	2025 Cohort	Combined Total
Applicants	170	230+	400+
Acceptance Rate	14%	13%	13.5%
Startup Teams Completed	8	9	17
Entrepreneurs Completed	23	25	48
Entrepreneurs From MA	16 (70%)	16 (64%)	32 (68%)
Underrepresented or Women Founders	15	15	30 (83%)
Technologies (IP) Utilized	9	9	18
IP from MA Universities	8	7	15
IP From Gateway Cities	6	3	9
Active Alumni Companies	6	6	12

Technology Verticals

2024

2025

Batteries	Carbon Utilization	Clean Hydrogen	Sustainable Foods
Buildings	Hydrogen	Carbon Capture	
Industrial Materials		AgTech	Wind Energy
Ocean Climate	Sensing	Critical Minerals	Batteries

Alumni Achievements

Massachusetts
Climatetech Studio

Powered by  and FEDTECH

Alumni Services supported incorporated companies from both cohorts in their critical next steps post-studio. Offerings included alumni grants, paid EIRs, and ongoing FedTech and advisory support across IP, team building, prototyping, and fundraising.

Notable Outcomes

12 active companies as of Q1 2026

5 licenses secured, 6 in process

22.5 FTE employees, **13** in **MA**

- Six alumni companies received **MassCEC Catalyst Awards**, including CemCycle, H2 Everywhere, Mirra, Novo Blades, Respire Energy and Thalon Materials
- **CemCycle** secured ~\$300K in grants to advance its technology from TRL 3 to TRL 5
- **Liphera** signed an exclusive license term sheet and demonstrated over \$3,300 per ton in lithium processing cost savings
- **Loop Chemicals** licensed ammonia technology from Sandia and is advancing a prototype reactor for fertilizer production
- **Respire Energy** demonstrated a functioning battery cell, filed a provisional patent, and advanced toward pilot deployment
- **Thalon Materials** achieved a key technical milestone with 45A electrolysis in testing

Funding Metrics

\$1.48M Funding Secured

In total across both cohorts:

\$555K Studio Awards

\$180K Showcase prizes

\$285K Alumni grants

\$90K for nine EIRs

\$925K External Funding

\$770K Public sources: MassCEC Catalyst and internship programs, NYSERDA, NOAA-supported accelerators, and other state and federal grant programs

\$155K Private non-dilutive: pitch competitions, accelerator stipends, and philanthropic/innovation grants



Massachusetts Climatetech Studio

Powered by MassCEC and FEDTECH

2024 Impact Report

The first cohort of the Climatetech Studio was a resounding success, proving the model and entrepreneur demand. Over 16 weeks, 8 teams developed university-sourced technologies into business plans, culminating in the final showcase. In addition to preparing these entrepreneurs to launch their ventures, this year's work established the studio's brand and its foothold as an important player in the Massachusetts climatetech ecosystem.

Key Cohort Metrics

- 170 Applicants, **14%** Acceptance Rate
- **23 Entrepreneurs** completed the studio
 - 16 (**70%**) from MA
 - 12 from Gateway or EJ cities
 - 9 Women, 15 Underrepresented
- **9 Technologies** Utilized*
 - 8 from MA universities
 - 6 from Gateway cities
- **6 Active Alumni Companies** as of Q1 2026

**one team, Mira Intel, switched technologies midway through*

5 Lab Partners



3 Network Partners



2024 Showcase

Greentown Labs 11/19/2024

Massachusetts
Climatetech Studio

Powered by MassCEC and FEDTECH



530+

Total Registrations



220+

Total Attendees



\$100K

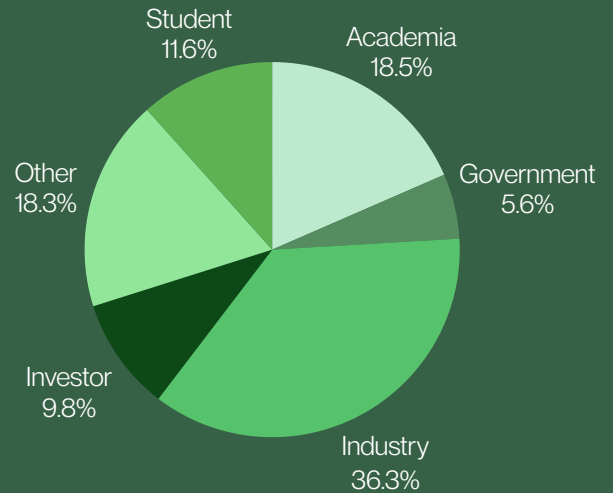
**Total Prizes
Distributed**



20+

VIP Attendees

*51 total VIP registrations



Winners

1st Place - H2Everywhere

2nd Place - Respire Energy

3rd Place - CoBon Technologies

[View All Team Information Here](#)



2024 Program In Review

Massachusetts
Climatetech Studio

Powered by MassCEC and FEDTECH

8 final pitches and 9 lab reports delivered

560+ attendees engaged at our events

Overwhelmingly **positive** feedback from entrepreneurs:

4.5

Experience
Rating
(out of 5)

78%

NPS
Score

96%

Would
Participate
Again

Feedback from the Entrepreneurs

"I am sincerely grateful for the opportunity to have participated in this inaugural program. Working with the coaches, teams, and extended startup ecosystem was an **invaluable experience**. I think this studio will be the **birthplace of many successful companies** in the future. Many thanks and congratulations to all those involved. Onward!" - Evan Redd, Aquelys

"Overall, the Studio experience was invaluable, offering a **unique combination** of mentorship, resources, and opportunities that significantly advanced our project. The program's structure and support **exceeded our expectations**, and we are grateful for the guidance and connections it provided. We look forward to applying what we've learned as we continue to grow and would highly recommend the Studio to other startups." - Alfredo Galvan, H2E



Massachusetts Climatetech Studio

Powered by  MASSACHUSETTS
CLEAN ENERGY
CENTER and  FEDTECH

2025 Impact Report

Following the success of the inaugural cohort, the second Climatetech Studio amplified the program's impact. This year, nine teams advanced lab-sourced climate technologies into market-informed use cases and ventures, which they debuted at September's final showcase. In parallel, twelve active alumni companies from both cohorts accelerated their momentum toward commercialization, securing over \$1.48M in total funding and advancing key partnerships, technical validations, pilots, and licensing milestones.

Key Cohort Metrics

- **230+** Applicants, **13%** Acceptance Rate
- **25 Entrepreneurs** Completed the Studio
 - 16 (**64%**) from MA
 - 15 Women or Underrepresented
- **9 Technologies** Utilized
 - 7 from MA Universities
 - 3 from Gateway Cities
- **6 Active Alumni Companies**

7 Lab Partners



14 Network Partners



2025 Showcase

Boston Startup Week 09/11/2025

Massachusetts
Climatetech Studio

Powered by  and FEDTECH



350+

In-Person Attendees



Quality Rating

Average from entrepreneur
final survey (out of 5)



50+

**VIP Reception
Attendees**



\$80K

Total Prizes Distributed*



Winners

1st Place - Thalon Materials

2nd Place - Mirra

3rd Place - JUNTO*

[View All Teams Here](#)

The 2025 showcase was hosted in September as part of Startup Boston Week, a premier local innovation conference. This partnership enhanced the Studio by:



- Providing a high-quality venue in downtown Boston with event livestream and co-marketing, including a follow-up [blog post](#)
- Elevating the Studio's visibility to a broader network of regional sustainability and startup leaders
- Connecting entrepreneurs to future investors, resources, partnerships, and growth opportunities

*Company dissolved; 3rd prize (\$20k) reallocated to Alumni Grants



2025 Program In Review

Massachusetts
Climatetech Studio

Powered by  and 

4.41

Experience
Rating
(out of 5)

85%

NPS
Score

91%

Would
Participate
Again

The second cohort benefited from updated workshops and hands-on support to guide them through the 16-week program. Surveyed entrepreneurs rated particularly highly:

- 1:1 support from 3 **coaches** and 10+ designated Studio **advisors**
- Access to a directory of 30 diverse, experienced **mentors**
- Enhanced **curriculum** including prototyping, TEA, business models, and more
- **In-person** networking events and cross-cohort opportunities
- Additional **pitch practice** and coaching prior to the Showcase

Feedback from the Entrepreneurs

"It is a fantastic program that should definitely continue and expand. There are many mid-career professionals out there just like me who would jump at the chance to be in the program and start a company. **I am a strong believer in the program** and will be delighted to help in its continued success in the future." - Dan Doble, Loop Chemicals

"Working with my team was so rewarding. . . and our inventor rocks. We strongly believe that **our tech will one day have a great impact.**" - Judith Underwood, Novo Blades

"I learned so much about all aspects of startups - VC, SBIR/STTR, university partnerships, licensing, etc. This is the major strength of the program - **it teaches you everything you need to know**, which is a lot!" - Jennifer Delegard, AAVA

