



Supporting Chip Advancement from Lab to Enterprise (SCALE) Capital Grant Program Informational Webinar

NEMC Team

May 13, 2025



Supporting Chip Advancement
from Lab to Enterprise

The Northeast Microelectronics Coalition's new Supporting Chip Advancement from Lab to Enterprise (SCALE) Capital Program will invest up to \$10M to strengthen Massachusetts' microelectronics ecosystem.

Designed to bridge the gap from lab to market, this initiative will fund capital investments to further develop ecosystem capability, workforce training and technology development.



Today's Agenda

- Deep dive into the new NEMC Hub SCALE Program
- Today, we'll be reviewing the program in detail, including:
 - **Program Goals & Benefits** (How it helps your lab-to-fab development)
 - **Eligibility Requirements** (Who can apply, where, and for how much)
 - **Application Process** (What materials you need and key deadlines)
- We encourage you to actively participate in today's webinar by asking questions throughout the session using the Q&A feature. We'll answer them during and after the presentation and publish a Q&A summary.

SCALE Program: Your Questions During the Webinar

Here's how to submit your questions:

- Look for the Q&A icon. Click on it to open the Q&A pane.
- Once the Q&A pane is open, you'll see an option to Ask a Question. Click on this.
- A Compose box will appear where you can type your question.
 - *Tip for Anonymous Questions:* If you prefer to ask your question without your name being visible to hosts and other attendees, you have the option to "Post as Anonymous" before sending.
- Once you've typed your question, click Send.

SCALE Program: Overview

- **Program Goal:** Accelerate microelectronics lab-to-fab transition & commercialization
- **Program Scope:** Up to \$10M in grant funding available to bridge the gap from lab to market, this initiative will fund capital expenses for projects in the following categories:
 - Ecosystem Development, targets 1:1 cost share
 - Workforce Development, targets 0.5:1 cost share
 - Technology Development, targets 1:1 cost share

Match rates greater than 1:1 or 0.5:1 will be viewed favorably

- **Anticipated Number of Awards:** Dependent upon the dollar amounts of the award proposals received.
- **Award Duration:** Up to 3 years

Preference will be given to existing NEMC Hub members as of April 29, 2025, if the application meets the defined criteria. Non-members are encouraged to apply.



SCALE Program: Timeline

Task	Date
Informational Webinar	May 13, 2025 11 a.m. EDT
Questions Due	May 15, 2025 5:00 p.m. EDT
Questions and Answer File Posted	May 20, 2025 5:00 p.m. EDT
Concept Papers Due	June 3, 2025 5:00 p.m. EDT
Invitation to Submit Full Proposals	June 24, 2025
Full Proposals Due	August 1, 2025 5:00 p.m. EDT

SCALE Program: Eligible Applicants (Non-Profit Entities)

Entities located in Massachusetts, including:

- Institutions of higher education – state, municipal, and community colleges and universities
- Non-profit incubators and accelerators
- Other public entities
- Federally Funded Research and Development Centers (FFRDCs)

SCALE Program: Eligible Applicants (For-Profit Entities)

Eligible to apply if they partner with an educational institution, non-profit organization or other public entity located in Massachusetts. For-profit entities include but are not limited to:

- For-profit incubators and accelerators
- Startups and Small companies
- Mid-size companies
- Large companies

If the for-profit entity is located outside of Massachusetts, it must have or plan to have significant operations in Massachusetts.

SCALE Program: Eligible Project Examples (not an exhaustive list)

Ecosystem Development:

- As an example, proposals to purchase equipment used to establish or expand a shared facility for microelectronics fabrication, packaging or testing

Workforce Development:

- As an example, proposals by community colleges for the purchase of tools required for student education and training, in support of new or existing certification programs

Technology Development:

- As an example, proposals to purchase equipment to enable further development of product technologies, continuing to progress lab-to-fab transitions
 - Preference will be given to projects that align with the NEMC Hub's 6 technology areas of focus: 5G/6G, AI Hardware, Commercial Leap Ahead Technology, Electromagnetic Warfare, Quantum Technology, and Secure Edge/IoT

SCALE Operations Program: Eligible Expenses

- **Ecosystem Development** – Applicants may identify lab-to-fab facility and/or equipment gaps and propose the purchasing, installation and utilization of that equipment for the benefit of the broader microelectronics community.
- **Workforce Development** – Applicants may identify capital expense gaps and propose corresponding purchases that will enhance existing workforce development programs or contribute to the creation of new programs. Proposals should be for microelectronics education and training programs driven by employer needs in the region.
- **Technology Development** – Applicants may identify capital expenses that will support technology and product development of early-stage microelectronics concepts, helping to mature the technologies to a point of readiness for follow-on public and/or private investment.

Q&A Time!

Here's a quick reminder on how to participate:

- Locate and click the Q&A icon.
- Click on the option to Ask a Question.
- Type your question into the Compose box.
 - *Anonymous Option:* If you wish to ask anonymously, look for the option to "Post as Anonymous" before sending your question. This will prevent your name from being displayed to the hosts and attendees.
- Click Send to submit your question.
- We will do our best to answer as many of your questions as we can during this session. Don't be shy!

SCALE Program: Collated Q&As After the Meeting



We will be collecting and collating all submitted questions.



Additional post-webinar questions regarding this NOFO must be submitted to proposals@masstech.org with the Subject Line: "Questions – NOFO No. 2025-NEMC-02".



All questions must be received by Thursday, May 15th 5 PM EDT.



Responses to all questions received will be posted in a Q&A summary document on the NEMC website by **Tuesday , May 20th 5 PM EDT.**



Thank You for Joining!

- We hope you gained valuable insights into the program and how it can benefit your microelectronics innovations.
- We look forward to receiving your submissions! Deadlines:
 - **Concept paper Tuesday June 3, 5 PM EDT**
 - **Full application Friday August 1, 5 PM EDT**

<https://nemicroelectronics.org/scale-capital>

