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Executive Briefing Note

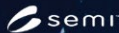
Pre-read

24 November

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What's included in this Briefing Note?

To support your preparation ahead of the SEMI Global Executive Summit (GES), the following materials are provided:

- **Introduction:** Context and purpose of opportunities for engagement within the Summit framework
- **Opportunities for engagement by Priority Initiative:** An early view of opportunities for engagement and potential post-Summit actions to drive progress
- **Frequently Asked Questions:** Common questions and guidance on the engagement process

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Introduction

Opportunities for engagement at GES

GES is designed to move conversations toward practical action, highlighting where executive leadership can make a meaningful difference. Building on insights from the 2025 Global Climate Summit Workshops, the Summit introduces opportunities for engagement across GES's four Priority Initiatives: Fab Materials, Clean Electricity, Gas Substitution, and Abatement.

These opportunities help surface areas of shared intent and outline practical next steps that participants may choose to explore, supporting continued progress after the Summit.

How Summit Inputs Will Be Used

Expressions of interest for each Priority Initiative will be collected at GES and compiled by SEMI to:

- Inform next-phase actions within each Initiative, helping focus post-GES engagement on practical implementation opportunities in 2026.
- Share aggregated outcomes and key insights in post-event communication.
- Participation is voluntary and non-binding, intended to help translate Summit discussions into practical next steps through SEMI's facilitation.

What You Can Do Now to Prepare for the Summit

1. Review the following overview and share with relevant internal teams
2. Identify which opportunities for engagement align with your organization's current priorities
3. Contact the organizing team with any questions ahead of the Summit

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Opportunities for engagement by Priority Initiative

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FAB MATERIALS

This Initiative offers practical pathways to build supplier capability, improve access to clean energy, and create alignment through consistent communication.

Key organizations: All attendees

Opportunity 1: Advanced Clean Energy Execution & Supplier Enablement

- Send members of procurement and/or sustainability teams to a future academy (training) focused on supply chain enablement. Content to cover supply chain energy consumption, group-buy concepts, co-investment, and energy aggregation models.
- Nominate and sponsor (i.e. funding access to) key upstream suppliers to attend relevant clean energy training.
- Provide regional expertise or a company case study to support knowledge exchange in the future academy.

Opportunity 2: Drive Market Access through Aggregated Energy Needs

- Participate in strategic government and utility engagements (as they arise) to represent your company's and your upstream suppliers' collective clean electricity needs.
- Actively engage on a collaborative Request for Information (RFI) to explore joining a potential buyer consortium for a new PPA project prioritizing Japan, Korea, Taiwan.

Opportunity 3: Amplify the Signal for Decarbonization

- Communicate the semiconductor industry's climate ambitions to your organization's top 20 upstream suppliers (as defined by spend, volume, or emissions) by the end of Q1 2026.
- Incorporate the principles of the SCC Ambition Statement (or similar sustainability metrics) into your organization's next supplier business reviews.

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CLEAN ELECTRICITY

This Initiative provides a pathway for shared resourcing, unified advocacy, and pilot participation to unlock clean electricity solutions that reinforce cost competitiveness, investment attractiveness, and global leadership position

Key organizations: All attendees

Opportunity 1: Resource Collective Advocacy for Clean Electricity Access via Industry Associations

- Join or renew SEMI Energy Collaborative (EC) sponsorship to support policy work to unlock at-scale renewable energy supply for the semiconductor sector in Asia.
- Join additional, complimentary national or regional associations to support broader policy work across grid, pricing, market design, and procurement in Asia.
- Co-fund targeted, time-bound policy, modelling, or other research initiatives.

Opportunity 2: Endorse and Champion a Unified CFE Advocacy Agenda

- Review and endorse SEMI EC's Carbon-Free Electricity (CFE) policy priorities and provide feedback.
- In cooperation with SEMI EC, review and endorse wider regional clean energy association's existing CFE policy priorities, providing feedback.
- Engage your organization's public affairs teams to develop CFE advocacy messaging and/or participate in at least one joint industry and/or government engagement in 2026.

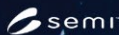
Opportunity 3: Participate in a "Clean Semiconductor Partnership (CSP)" Pilot in Korea

- Participate in the pilot design phase and working groups with SEMI EC.
- Evaluate becoming an early anchor buyer of clean electricity through the pilot, subject to viable pricing and delivery terms.
- Support replication of the model across additional semiconductor hubs once proven successful.

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GAS SUBSTITUTION

This Initiative is intended to enable the necessary economies of scale needed to accelerate the commercial viability and adoption of a low Global Warming Potential (GWP) gas.

Key organizations: Fabs, Gas Vendors, Equipment OEMs

Opportunity: Participate in an Industry Wide Effort for a Single Priority Gas Substitution

- Fabs to provide inputs to identify a single priority gas for replacement, including guiding the selection process of viable candidates.
- Interested Gas Vendors may propose substitute gas candidates that align with the priority gas for replacement.
- Fabs, Equipment OEMs and Gas Vendors to participate in the co-creation and execution of a phased experimental plan involving low GWP gas substitution, including definition of any necessary test vehicles.

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ABATEMENT

This Initiative aims to accelerate breakthroughs in abatement technology and measurement through industry-wide collaboration, shared data, and pre-competitive research and development.

Key organizations: Abatement Solution Providers, Fabs, RTOs

Opportunity 1: Accelerate Innovation through Collaborative R&D and Evaluations

- Abatement Solution Providers to propose short- and medium-term technologies for industry evaluations and publish long-term roadmaps prioritizing non-carbon-based, low-fuel solutions.
- Fabs to co-develop a technology-agnostic Technology Readiness Level roadmap for abatement performance across short-, medium-, and long-term horizons, including required simulation and primary data from solution providers and RTO's.
- Fabs to support industry evaluations, sharing validation risk and publishing sanitized performance and operational data.

Opportunity 2: Drive Operational and Innovation Breakthroughs through Industry Benchmarking

- Fabs to assign a delegate and actively participate in the SEMI SCC Scope 1 WG and Catalytic Abatement Subgroup to advance industry wide abatement strategies.

Opportunity 3: Advance Low Carbon Abatement Solutions through Collaborative R&D Funding

- Fabs to provide input to the Korean Government's proposed research program on extending abatement performance, particularly catalytic materials, and formalize support through letters of endorsement and willingness to evaluate proof of concept prototypes.
- Fabs, Abatement Solution Providers, and RTO's to develop a collaborative R&D funding playbook.

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Frequently Asked Questions

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FAQ

How will participation work during the Summit?

Each Initiative session will conclude with a brief closing segment, where participants can scan a QR code to express interest in one or more opportunities for engagement. The QR code links to a short form capturing contact details and areas of interest to help guide post-Summit engagement.

Can we participate in more than one opportunity?

Yes, attendees may express interest in multiple opportunities across the four Priority Initiatives, depending on which actions are most relevant to their organization's priorities and role in the value chain.

Who should complete the QR form if multiple representatives attend?

Each organization may decide whether one or multiple attendees complete the QR form. SEMI will consolidate responses to ensure accurate follow-up with the appropriate contacts.

Will company information be shared publicly?

No, all responses will be kept confidential and used in aggregate form only. No company-specific information will be disclosed or attributed without prior consent.

What happens after the Summit?

- Immediately following the event, the opportunities for engagement will be re-shared for those who did not have a chance to express interest during the event. All attendees will receive a follow-up email summarizing overall outcomes and outlining next steps for January.
- Participants who express interest will also receive:
 - An invitation to optional coordination calls in early 2026 for the Initiatives they have selected.

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FAQ

How will the information gathered be used?

Expressions of interest will help SEMI and Initiative leads:

- Focus post-Summit engagement on practical implementation opportunities.
- Design SEMI-facilitated activities to enable progress and knowledge-sharing through 2026.
- Report aggregated insights (no company-specific data) in the post-event communication.

How do these opportunities relate to our existing company or SEMI programs?

These opportunities are designed to complement and amplify existing initiatives, providing a shared framework for non-competitive collaboration and visibility across the value chain.

Who can we contact with questions about the Engagements?

For clarification before or during the Summit, please contact the SEMI GES organizing team.

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