UK Semiconductor Infrastructure Initiative - Timeline

As part of the government's forthcoming National Semiconductor Strategy, the newly formed Department for Science, Innovation and Technology (DSIT) has commissioned a study to understand the technical and economic feasibility of developing specific capabilities to support commercial R&D, grow the UK semiconductor sector and contribute to supply chain resilience.

Across the project there are opportunities for stakeholders from across industry and academia to contribute to the project. This document provides an overview of the timeline for contributions.

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IfM Engage Consortium

IfM Engage is leading this tender, forming the IfM Engage Consortium which is acting independently based on the Tender brief.

- All data collected (from surveys, discussions and interviews) are anonymous and protected.
- no comments will be attributed to individual companies without prior permission.

The IfM Engage Consortium

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IfM Engage
Part of the Institute for Manufacturing

cambridge econometrics
clarity from complexity

Si SILICON CATALYST

TechWorks nmi

CATAPULT
Compound Semiconductor Applications

PHOTONICS
LEADERSHIP GROUP

SEMIWISE

FutureHorizons
The Global Semiconductor Industry Analysts

Imperial College London

UNIVERSITY OF LEEDS

Work Packages

The tender brief specific the project focusses on five work packages:

- WP1 - Silicon manufacturing capability to support prototyping
- WP2 - Compound open-access foundry capability
- WP3 - Advanced packaging capability
- WP4 - Design IP/tooling capability
- WP5 - Strategic coordination capability that would provide an institutional framework around the infrastructure components

UK Semiconductor Infrastructure Initiative – Summary Timeline

DSIT Tender Brief

WP1 Silicon Prototyping
WP2 Compound foundry
WP3 Advanced Packaging
WP4 Design Tools and IP
WP5 Institutional Framework

Review of International best practice to inform the appropriate institutional framework to deliver these capabilities

Econometric analysis to provide evidence to inform the economic & financial case
Selection and costing of intervention scenarios

April – November 2023

Design and planning

March 2023

Methodology refinement
Survey design
Contacts identification
Logistics

1st survey launched to collect User Needs

May 2023

Invited participation from >180 UK organisations
Open invitation to all interested organisations via online platforms

2nd survey launched to map Existing Infrastructure

June 2023

Invited participation from >30 UK organisations
Open invitation to all interested organisations via online platforms

Workshops to validate survey findings

July 2023

Open invitation to all interested organisations via online platforms
Analysis of needs and capabilities
Proposed methods of intervention

Visits to all UK Semiconductor clusters

September 2023

Face-to-face visits to all UK Semiconductor clusters
Intervention scenarios
Discussion preferences

Consultation with major UK end users

October 2023

Identify potential interest of major UK end users on supporting the infrastructure initiative
Prioritisation of intervention scenarios
Report to DSIT

Government analysis
Decisions
Implementations

UK Semiconductor Infrastructure Initiative
- feasibility study

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For more information

To participate in the project, visit:

- engage.ifm.eng.cam.ac.uk/uk-semiconductor-infrastructure-initiative-2023

- Or scan the QR code

Email - Dr Nicky Athanassopoulou (naa14@cam.ac.uk)

UK Semiconductor Infrastructure Initiative
- feasibility study

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