FAMES

greener electronics

FD-SOI · NVM · 3D · RF · PMIC

Towards energy-saving chips for digital, analog, RF

The FAMES Pilot Line of the Chips JU is funded by Horizon Europe and Digital Europe Programmes and the National Public Authorities of the partners involved.

Update: 24/11

Aim & Status

- The FAMES Pilot Line will provide **opportunities for disruptive chips architecture** with performance improvement and significant energy savings

- All Pilot Line agreements completed in December 2024, project is running at full speed (procurements, R&D programs, communication & dissemination)

- First Open Access call (request for Access) in March 2025

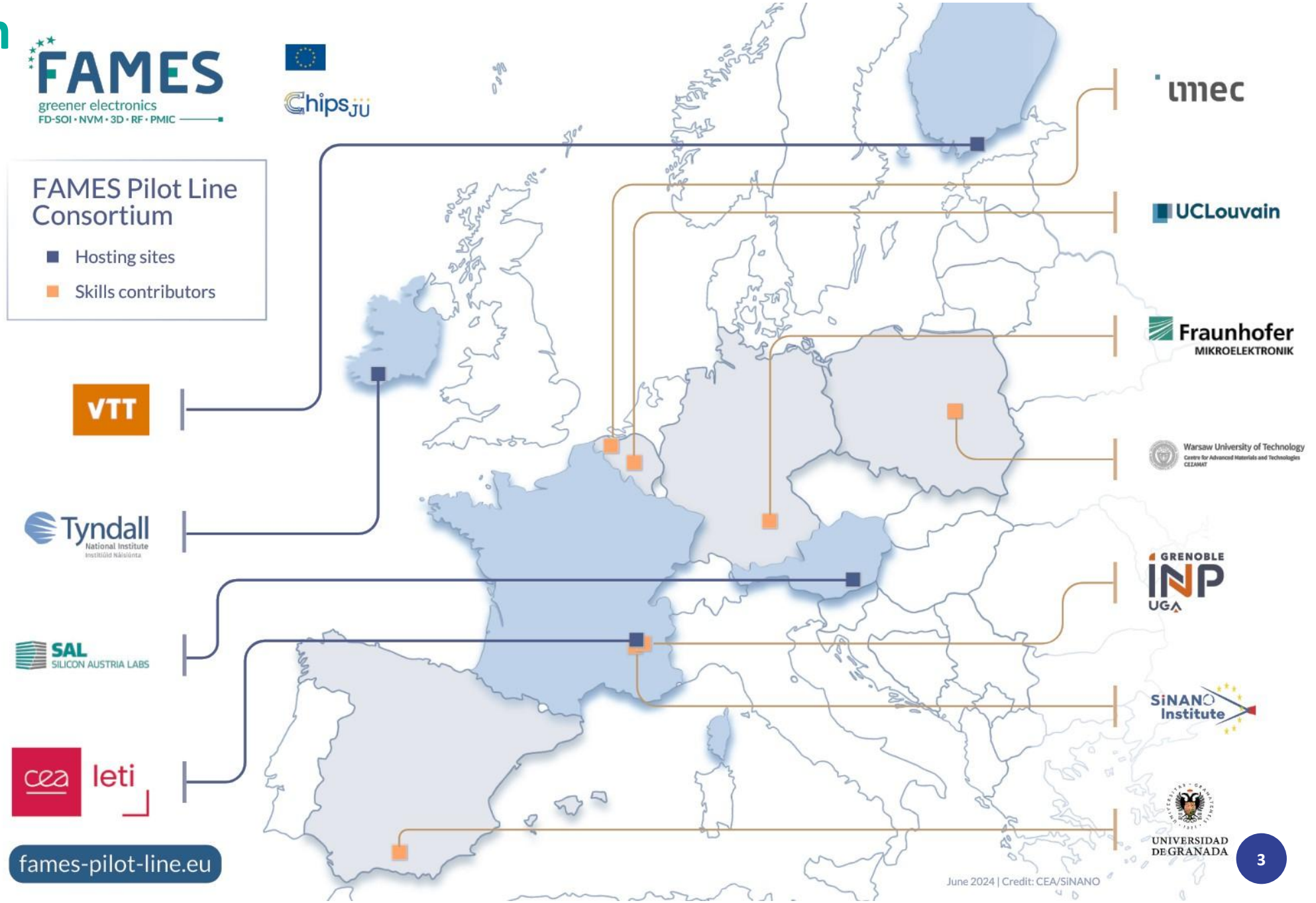
Consortium

Budget : €830 M

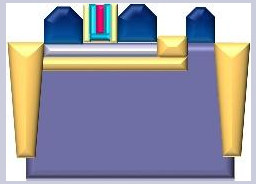
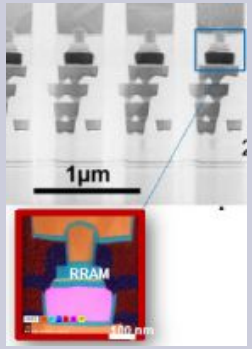
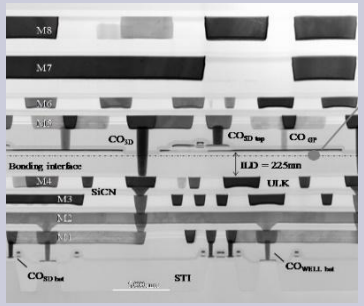
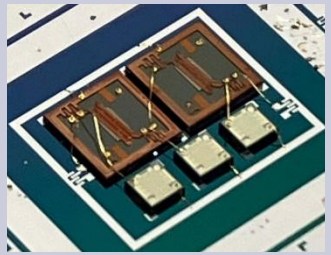
- CAPEX: €382 M
- OPEX: €448 M

Funding:

- 50% Chips JU
- 50% Member States



FAMES Technological Portfolio

FD-SOI	Embedded non-volatile memories	Radiofrequency components	3D integration	Small inductors for DC-DC converters
10 nm and 7 nm nodes	OxRAM, FeRAM, MRAM and FeFET	Switches, filters, and capacitors	Heterogeneous and sequential	Power management integrated circuits (PMIC)
 0,7V 57CPP 48/40MPP				
cea leti, imec, UCLouvain	cea leti, VTT, imec, UCLouvain, Fraunhofer, Universidad de Granada	cea leti, VTT, SAL Silicon Austria Labs	cea leti, Tyndall National Institute	Tyndall National Institute

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Opening the Pilot Line to European stakeholders

44 support letters

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Accessing the FAMES Pilot Line

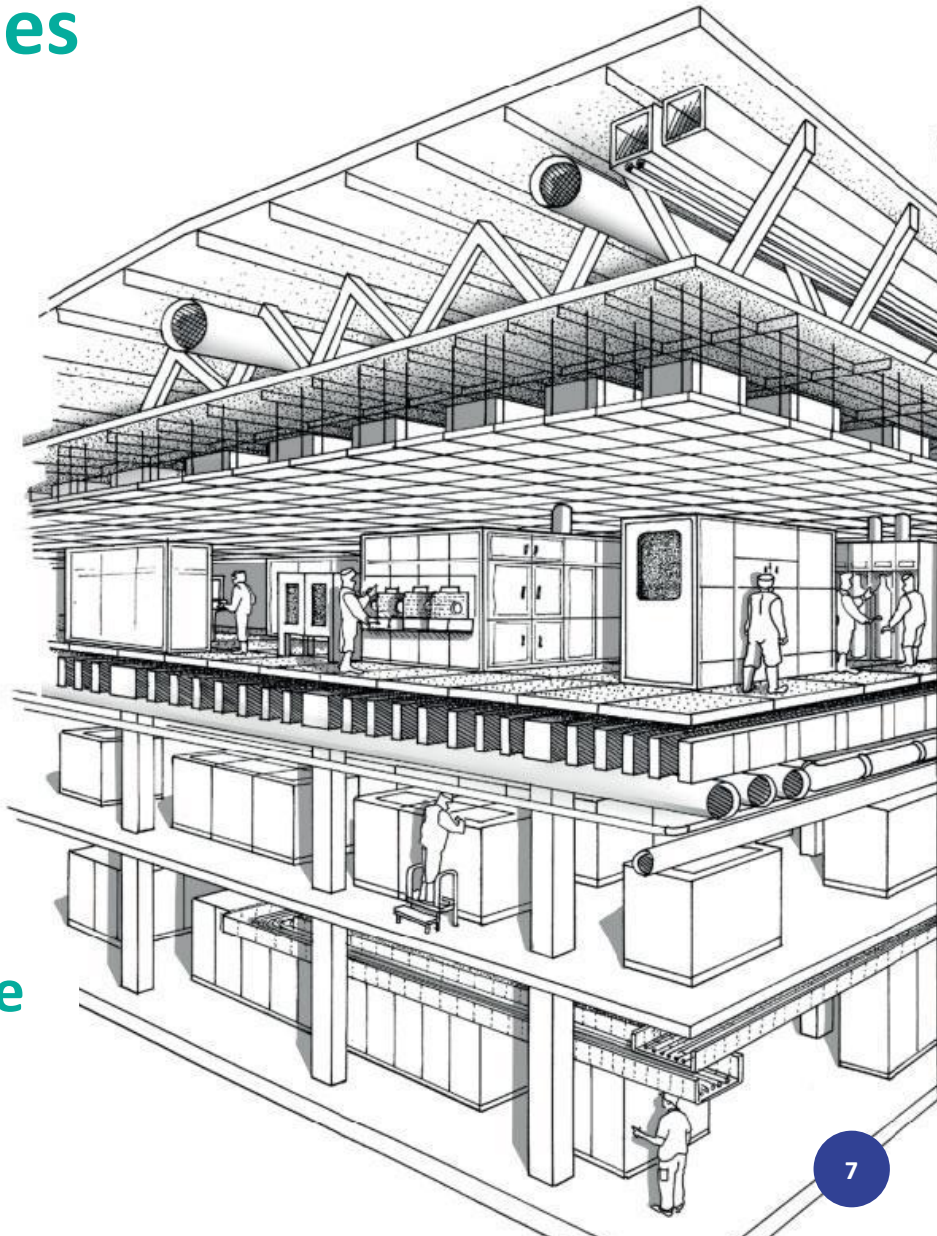
Chips JU

FAMES European open-access pilot line for advanced semiconductor technologies

To gain access to:

- Two types of PDKs (multi-project wafer or IC design assessment)
- The FAMES technologies (FD-SOI 10 nm and 7 nm, embedded non-volatile memories, RF components, 3D integration options) for performance evaluation
- Specific process steps, modules, integration flows, and demonstrator results
- Education and training on the FAMES technologies

as they become available



Request an access to the Pilot Line and receive a quote

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The FAMES Pilot Line is open to all types of Users

LARGE COMPANIES

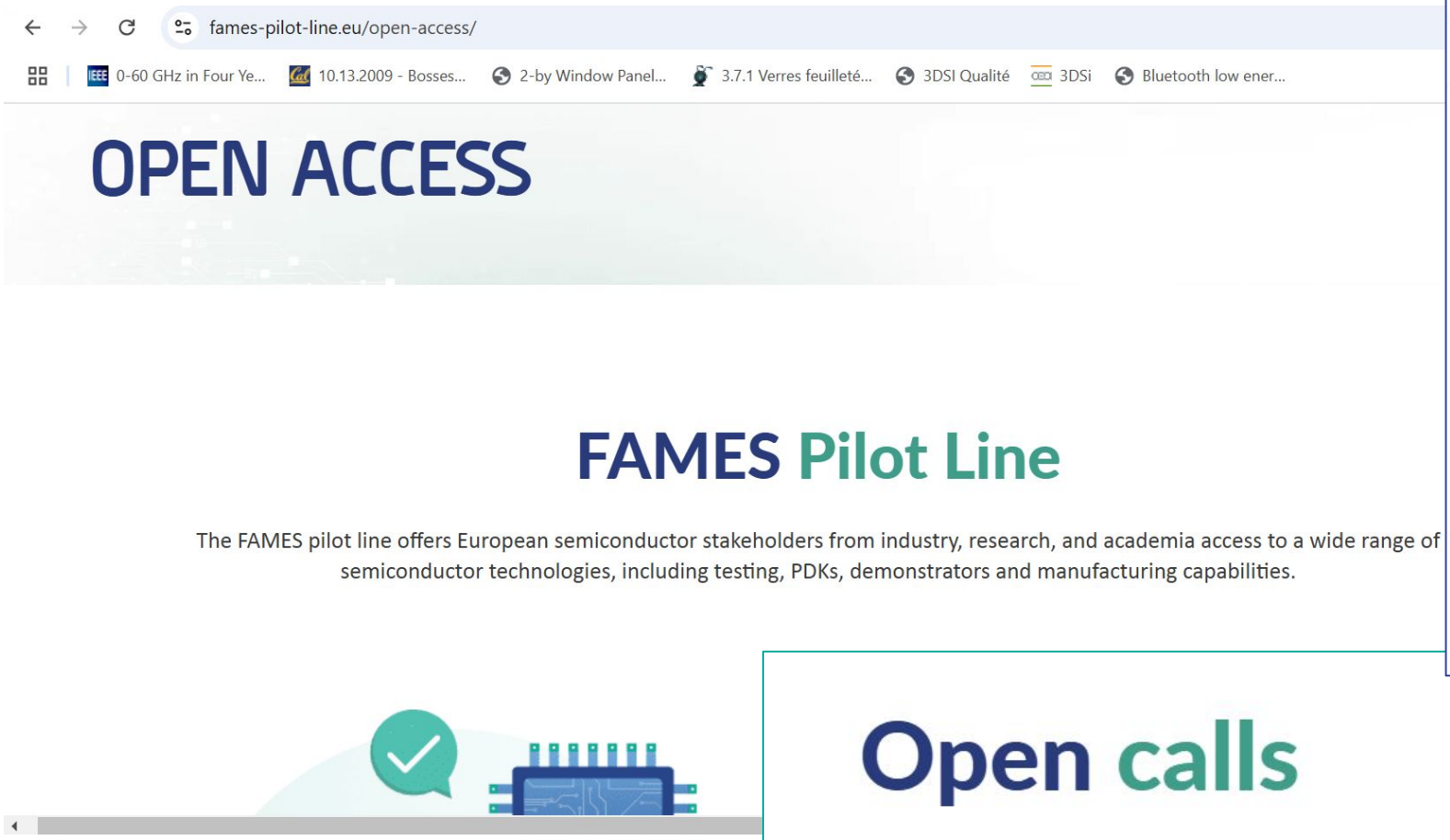
SMEs

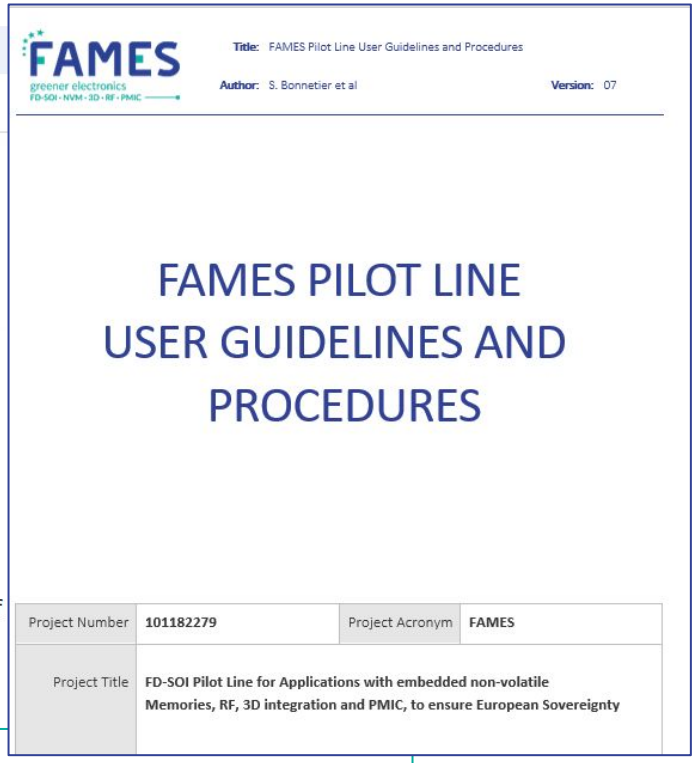
START-UPs

RESEARCH COMMUNITY

Design Houses
Fabless
Foundries
Integrated Device Manufacturers
Material and Tool Suppliers
Universities
Research Centers

Open Access calls: request for Access to the Pilot Line





Open calls

The first call should open by the spring of 2025. You will find the submission details on this page as soon as the call is open.

https://fames-pilot-line.eu/open-access/

Forthcoming Key Dates

Mid-March, 2025

FAMES Pilot Line Open Call (Request for Access)

Online opening

fames-pilot-line.eu

March 18, 2025

FAMES Dedicated Workshop

Launch of the 1st open call

Brussels, Belgium

fames-pilot-line.eu

June 19, 2025

FAMES School

Initial training

Grenoble, France

leti-innovation-days.com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PARTNER WITH US
to fast track
your innovation project