

RETICLES

Extending Europractice Services

Challenges and objectives

RETICLES stands for Research, Entrepreneurship, Training, IP-exchange & Chip pLatform of Europractice Services.

RETICLES sustains the Europractice platform and expands it with new services and technologies to provide Europe with an open-access platform to design and fabricate electronic components and systems.

Technical goals

The overarching goal of the RETICLES project is to strengthen Europe's design capacity and further lower the barriers to accessing advanced semiconductor technologies.

- Establish open access services enabling affordable prototyping in advanced nanoelectronic technologies and fully packaged systems supporting the growth of new digital industries.
- Strengthen and boost the European design ecosystem involving both Academia and SMEs.
- Establish advanced training programmes, primarily focusing on electronic components design and system integration technologies, ensuring European industries have access to a skilled workforce.
- Support research and innovation at the European universities and research centres, and stimulate exploitation activities (in particular spinoffs and subsequent commercialisation).
- Incubate emerging (low TRL) semiconductor technologies from leading European research centres and Digital Innovation Initiatives.

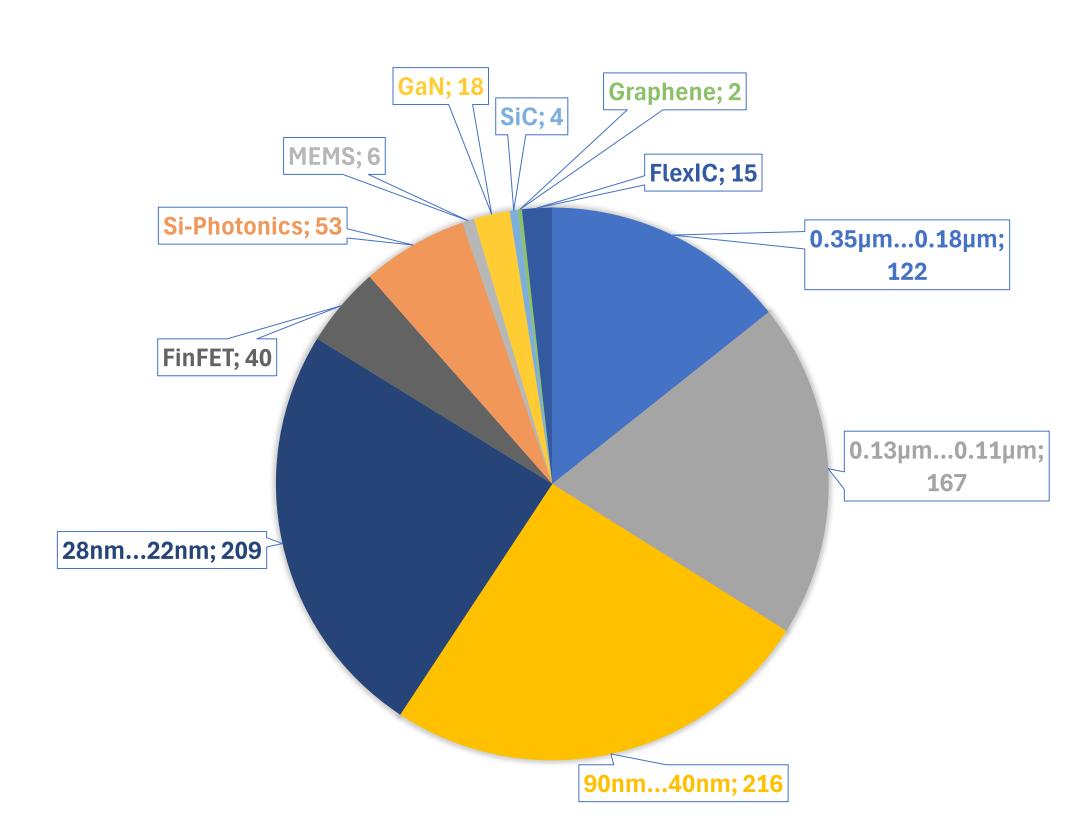
Expected impact

RETICLES will lower the entry barrier to access design tools, prototyping, and training for more than 600 academic institutions and their spinoffs:

- Deliver over 65,000 concurrent licenses of design tool flows to European universities and research centres.
- Enable fabrication of more than 600 prototype designs for European academic and industrial customers yearly.
- Train more than 1500 highly skilled engineers, strengthening the workforce.

This will lead to new products and new jobs, thereby reinforcing and expanding the European semiconductor ecosystem.

RETICL



852 Designs Prototyped in Year 2



Contact details:

Romano Hoofman imec Romano.Hoofman@imec.be +32 16 28 3865

