Imec in the world

For more than 40 years, imec has been at the forefront of **chip innovation**. Imec is the world-leading, independent research center in the field of **chip and digital technologies**. We collaborate with academia, industrial partners, and startups to push the boundaries of what is possible. Together, we ensure breakthroughs on the path toward chips that are smaller, faster, and more sustainable. Every smartphone contains chip technology invented by imec.

Imec brings together more than **6,500 employees** from around 100 different countries. Their expertise and diversity accelerate innovation and groundbreaking discoveries.

www.imec-int.com

Watch the short introduction video

Imec in the Netherlands

Imec has operated research locations in the Netherlands **since 2005.** With a multidisciplinary team of experts, we strive to create chip-based solutions that contribute to a strong, sustainable, and healthy future. Imec in the Netherlands employs **250 people** from over 40 nationalities across four locations. We work closely together with **universities**, **other research institutions** (such as TNO), **governments**, **industry**, and **investors**. This collaborative strength enables imec to play a crucial role in the Dutch **chip innovation ecosystem**.

www.imec.nl

Holst Centre

In Eindhoven, imec collaborates with TNO. We develop technologies such as **integrated photonics, wireless technology, AI & data,** and **quantum technology,** focusing on applications within the domains of **health, automotive,** and the **high-tech industry.**

www.holstcentre.com

OnePlanet Research Center

In Wageningen and Nijmegen, imec collaborates with Wageningen University & Research, Radboud University, and RadboudUMC. We focus on chip-based **applications** that contribute to solutions for societal challenges, particularly in the fields of **healthcare, agriculture, and environment.**

www.oneplanetresearch.nl

High NA EUV Lithography Lab

In a joint lab in Veldhoven, ASML and imec work together on the newest **High NA EUV chip machine** and its application. Here, international chip manufacturers gain access to the latest chip production technology. This lab is a powerful example of the 40-year collaboration between global players ASML and imec.

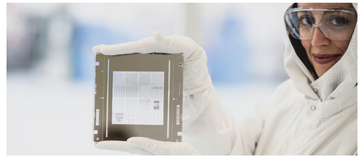
Imec's unique position

Imec develops **technologies** and **applications** for various domains. The research we conduct typically takes 5 to 10 years to become integrated into everyday life, and results in a lasting impact. Imec's focus in the Netherlands on **chip-based innovation** adds a unique element to the Netherlands strong position in the development of **key enabling technologies.**

Imec's activities closely align with the priorities of the **National Technology Strategy (NTS),** including **semiconductor technologies, AI and data, integrated photonics, biomolecular and cell technologies, quantum, and imaging technology.**

Chip-based innovation is also crucial for the **Dutch Growth Markets**, where we focus on **semiconductors, digital transformation, and medtech.**

The Dutch-Flemish position in chip innovation is exceptionally strong, and imec plays a crucial role with its chip research. Within the **global network** of the chip industry, imec positions itself as a bridge between fundamental academic research and the innovation needs of industry. .



Imec's economic impact

Beyond research, imec in the Netherlands is also active in **venturing** and **services** within the chip industry, creating additional economic impact.

Through IC-Link by imec, imec.xpand, and imec.istart, we strengthen the Dutch innovation ecosystem by connecting chip development, deep-tech investments, and startup acceleration.

IC-Link guides companies through every step of the chip journey — from the first concept to large-scale production — delivering tailored solutions that meet the most advanced design and manufacturing needs. IC-Link is a partner in **ChipNL Competence Center.**

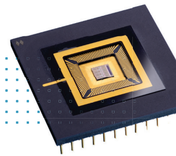
www.imeciclink.com

Imec.xpand is a major **investor** in startups. This independent venture capital fund supports hardware-based **nanotechnology innovations,** where imec's technology, expertise, and network create a competitive advantage.

www.imecxpand.com

Imec.istart **accelerates tech startups** through specialized coaching, facilities, and broad support, enabling technology entrepreneurs to scale their companies.

www.imecistart.com



Contact

IMEC THE NETHERLANDS

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Worldwide offices: Belgium – Finland – France – Germany – India – Italy – Japan – Korea – Qatar – Spain – Taiwan – The Netherlands – United Kingdom – US

Imec in the semiconductor value chain

Imec is structurally embedded in all steps of the semiconductor value chain, together with Dutch and international partners in a dynamic ecosystem.

IMEC ACTIVITIES

Chip R&D	Chip design	System & application	Manufacturing	Venturing
Developing new materials, process steps, and technologies for next-generation chips. • 12,000 m² cleanroom • +6,000 m² expansion • +250 tools	Designing chips with specific properties for various applications and domains.	Realization and validation of prototypes together with partners, including first-time engineering and proofs of concept.	Early access to new chip production technology for chip manufacturers. Chip fabrication services, from concept to large-scale production.	Creating, supporting, and financing tech and deep-tech startups.

LOCATIONS

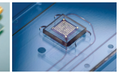
- imec international
- imec at Holst Centre
- imec at OnePlanet
- ASML-imec High NA EUV Lithography Lab
- IC-Link by imec
- imec.istart & imec.xpand

EXAMPLES


High NA EUV lithography


Photonic chiptechnology


Bluetooth Low Energy


Microfluidic organ-on-chip


Photonic LiDAR-technology for autonomous driving


Gas sensing technology


Facilitating prototyping


Photonics lab


Edge AI chip, spin-off Axelera AI


Color splitter, spin-off eyeo

imec

Accelerating chip-based innovations as a strategic partner in the Netherlands

imec, the world's leading chip technology R&D hub