



imec

Imec.DeepTechVentures

Leveraging on a unique environment

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Imec is more than just another R&D hub.





For 40 years, we have been pioneering the semiconductor roadmap.

Imec's microchip technology is  
at everyone's fingertips.  
In each and every smartphone.

Today imec is a leading independent R&D hub in nano electronics and digital technologies.



**SKILLED  
PEOPLE**

**6,000**

employees across  
95 nationalities



**WORLD-CLASS  
INFRASTRUCTURE**

**€4B**

invested in **leading-edge  
semiconductor fabs**, 200 tools

**€2.5B**

**new pilot lines investment**



**GLOBAL  
ECOSYSTEM**

**600+**

industrial partners across a  
unique ecosystem,  
collaborating with





FAB2/3 300mm

FAB1 200mm

Support facility

# Beyond academic R&D



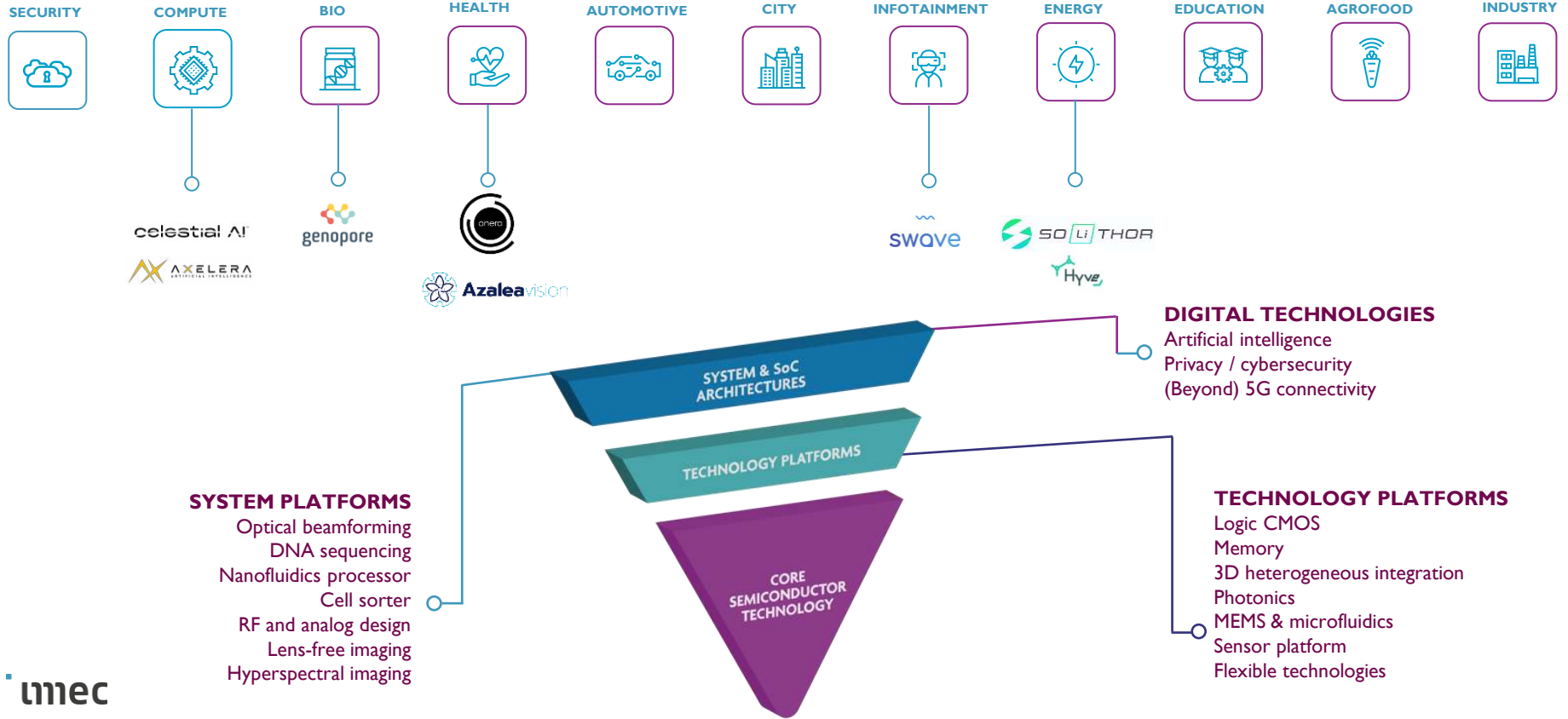
Focus on **industry-relevant technology solutions** for health and life sciences, mobility, Industry 4.0, agrifood, smart cities, sustainable energy, etc.



**2024: €1B revenue**, 187 patent applications, 1,300 Web-of-Science publications

# Imec's innovation platform

IMEC's core and technology platforms enable differentiative solutions



# What we offer

## R&D

COLLABORATION



## DEVELOPMENT



## VENTURING STARTUPS & FUNDS





# Imec.DeepTechVentures

Enabling scalable impact

**Turning advanced research into scalable solutions requires more than just ambition.**

Imec.DeepTechVentures uses its unique offerings and expertise to help founders de-risk their journey from concept to market, turning bold deeptech opportunities into successful, scaled companies that create a lasting impact.

Since 2018, our dedicated team of 10+ experts with a proven entrepreneurial track record have helped shape and co-shape 50+ ventures.

## **External Opportunities**

VCs / CVC / Accelerators

## **Co-creations**

Universities / Research  
Institutes

## **Internal creations**

Spin-offs / EIR

# Imec is a unique deeptech venture development hub

Empowering ventures with the expertise of a global deeptech leader

## Knowledge & Innovation



Leading deeptech researchers and developers.



Imec innovation, IP, and venturing know-how.

## Prototyping & Production



Industry-grade tools & facilities.



Low-volume pilot production, facilitating lab-to-fab transfer.

## Ecosystem & Growth



Imec ecosystem for technological and commercial collaborations.



US & Europe imec accelerator to incubate and scale, incl: talent, funding, coaching, and commercial traction support.



# imec.xpand a unique partnership with a leading independent DeepTech VC funds



Initial tickets  
of ~5 mEUR.

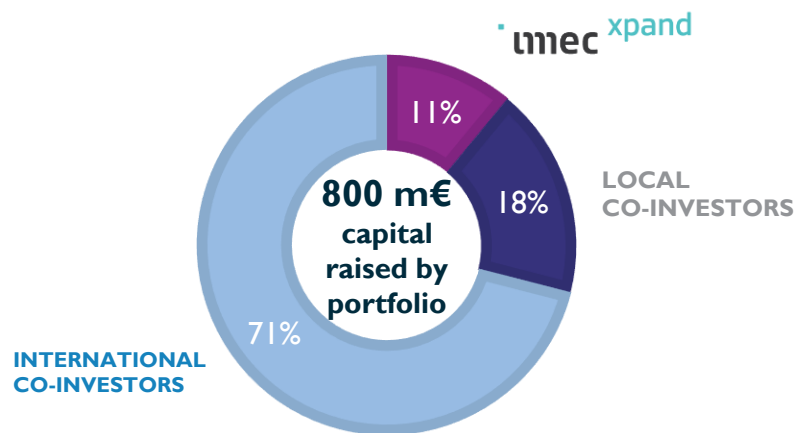


Investing  
worldwide

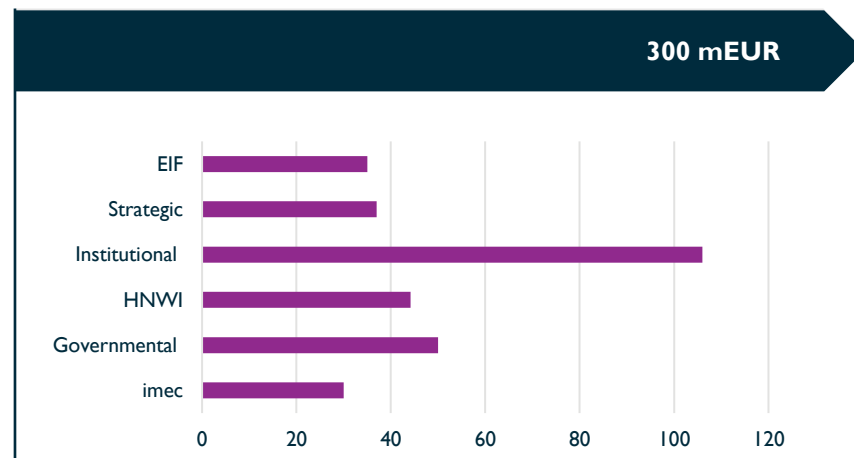


Hands-on business support  
and advice

## IMEC.XPAND I – 117 M€



## IMEC.XPAND II – 300 M€





# imec.DeepTechVentures offering to entrepreneurs

**imec  
entrepreneur**



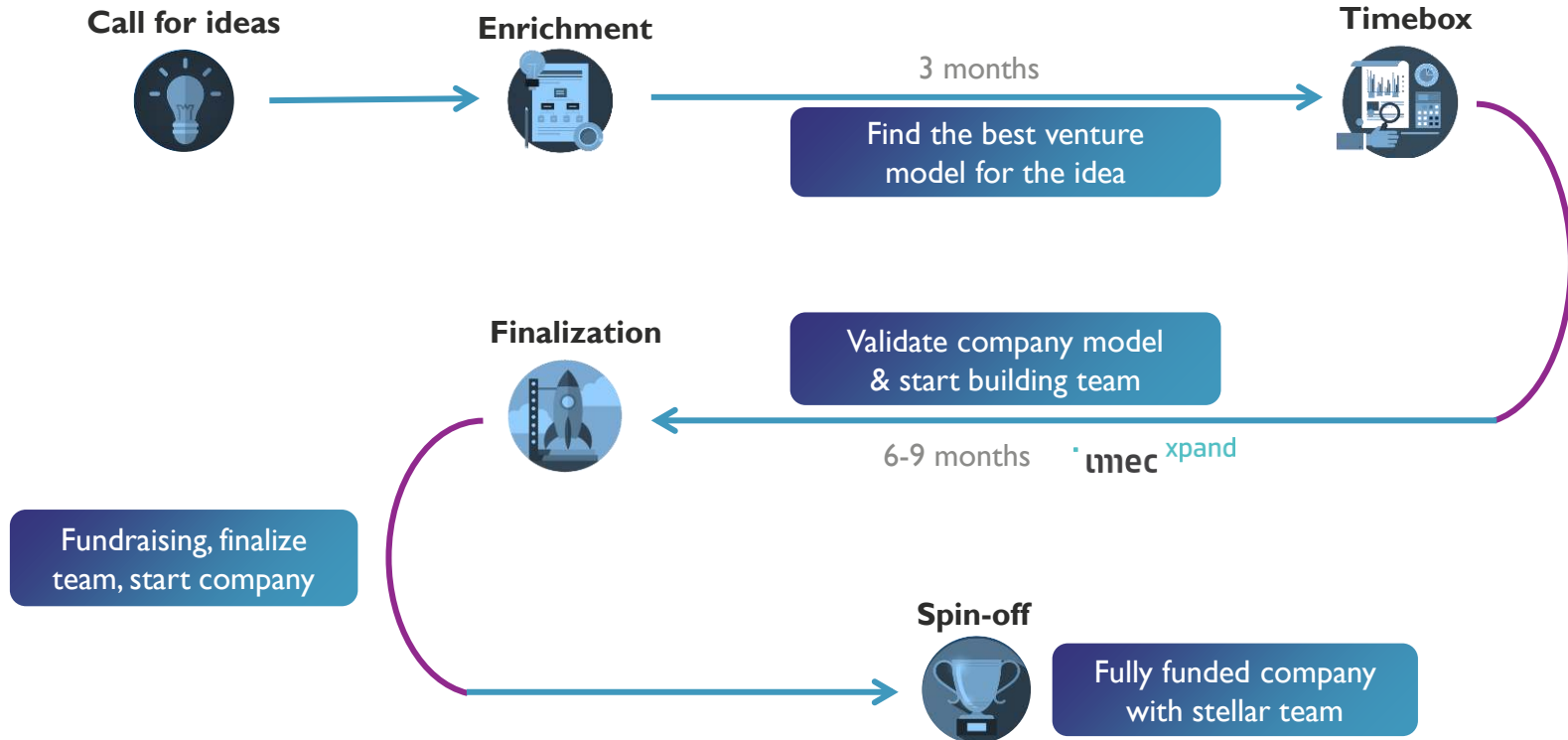
**existing  
startup**



# Imec.DeeptechVentures – supporting imec entrepreneurs

# imec.DeepTechVentures for imec (to-be) entrepreneurs

Shaping ventures based on imec technology





Uncertainties		
Opportunity	Idea	Problem Describe the problem that you will be solving: what it is and what is its impact
		Solution Describe the solution you offer and the benefits or pain reliefs for your customer
		Uniqueness Describe why your solution is better than other solutions and how that advantage is protected
		Technology Describe the technological features that make your solution possible
	Market	How large is and what is your target <b>M</b> arket? Are there other opportunities?
	Value Proposition	Why does your idea represent a <b>P</b> ositive present value? Explicit your differentiating advantage & USP. Why and how will you make money?
Execution	Strategy	Will your solution create <b>A</b> cceptance from the customer? Explain who the customer is, why he will buy from you? How will you get to the customer and how will you keep him?
	Competition	Indicate what the <b>C</b> ompeting solutions, companies and technologies are and the reason why you won't be competed away.
	Readiness	Why is it a good <b>T</b> ime now to enter the market? <b>S</b> peed, How quickly can you enter the market.
Structuring	Team	Describe who the key people are and what their role is. What roles are missing?
	Strategy	Is the business strategy consistent with the delivery of the opportunity and the maximization of the ROI? Is the strategy in line with the uncertainties, team and exit goal?
	Financials	Give an overview of the P&L, CF projections, working capital, investment plan for a period of 5 years including the assumptions
	Investment	Describe the proposed investment (amounts, parties, conditions) to reach the next milestone(s) and the total amount with <b>timeline</b> needed to become CF positive, divided in amounts to be raised, funded, loans,...
	Contribution in kind	Value of the contributed technology and the modalities to secure the assets. Value contributed by the team (bootstrapped)
	Deal	The deal structure provides appropriate incentives for all stakeholders and governance. It help manage uncertainties.
	Exit	When and how an investor can exit and what is the potential return?
Unmet customer requirements. Product cost.		
Validity of the IP, alternative competitive technologies		
Maturity of the technology (R&D), critical features		
Growth rate of the overall market, regulatory matters, new unproven market, uncertain demand		
Evolution of the customer expectations. Scalability		
Barriers from new technology. Pricing. Easy reach to the customer. Cost of sales. Switching costs.		
Future alternative solutions from competitors. New entrants. Pricing pressure. Ease of copying. Channel monopoly.		
Longer product development time, closed market window. Need for larger investment.		
Execution capability of the team. Key partnerships. Team glue. Dependency on key persons.		
Revenue growth rate		
Are milestones bankable? How aggressive is the timing? Size of the amounts of capital needed versus the financials.		
Is the valuation realistic?		
Dominant control of I party. What is the downside protection?		
Impact of a delay to exit.		

# The imec venturing engine: results of the last 7 years

500+ ideas evaluated  
and developed



>60 projects got  
pre-seed funding



35 spin-offs created



Valuation of Top 10  
>500M€



>420 new  
jobs created

Value increased  
2-4 times

# Imec.DeeptechVentures – supporting existing startups



# imec.DeepTechVentures for existing start-ups

Enabling start-ups with a deep-tech disruption



Boost your product with derisked nanotechnologies

- Injection of existing background IP
- Specific creation of foreground IP to maximize the impact of the technology on the value proposition



Dedicated expert team to navigate the deep-tech specifics from concept to product to market



Bring your product from lab to fab and enable large-volume manufacturing



Funding through the independent imec.xpand fund

# Imec.DeeptechVentures family



Imec spin-offs – deep tech



Imec spin-offs – high tech



Imec.xpand investments in start-ups powered by imec technology



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