



# imec

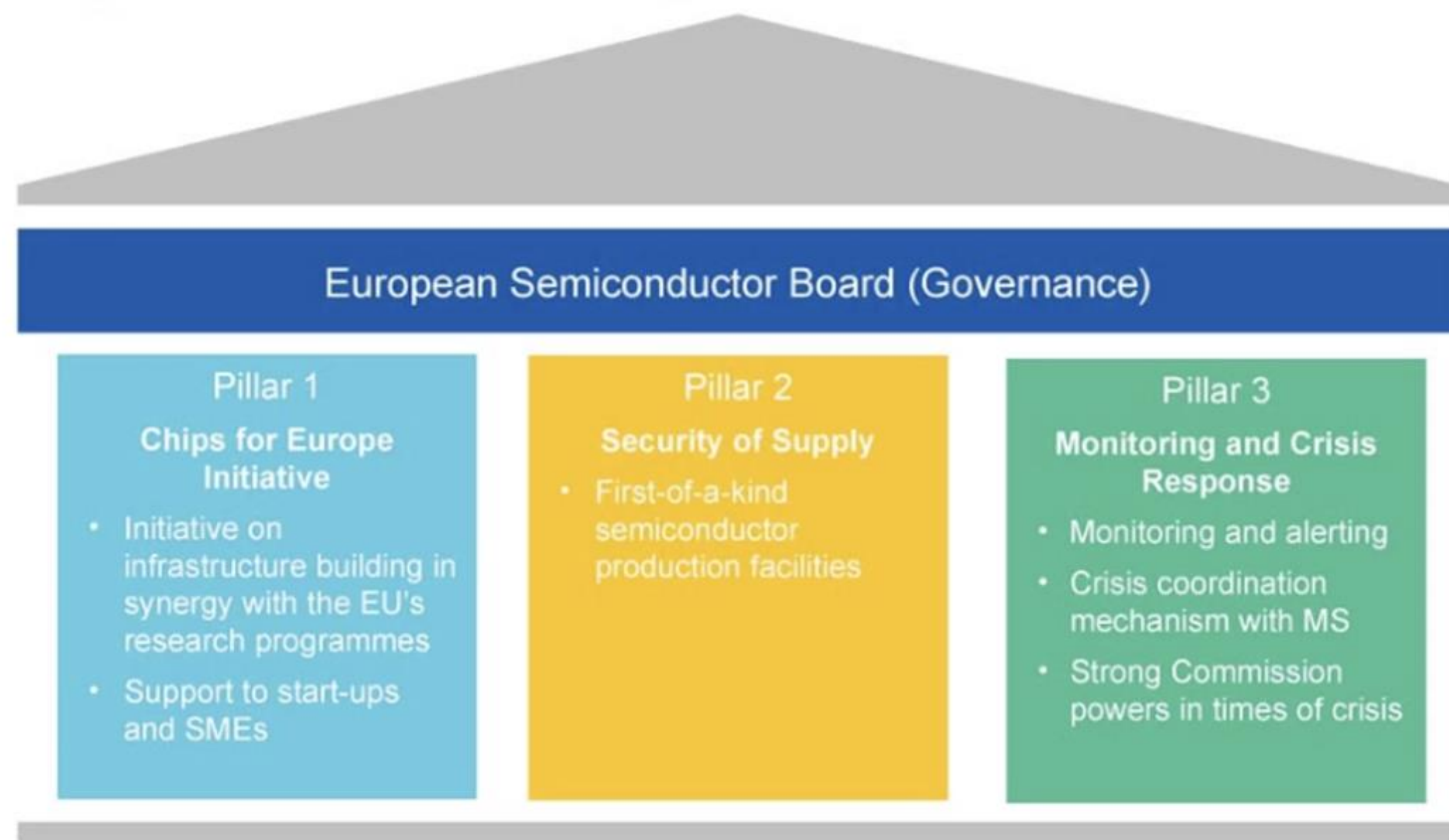
**European R&D leadership  
on semiconductor technology and applications**

Luc Van den hove, President and CEO imec

# European roadmap for technology leadership & leading-edge semiconductor manufacturing





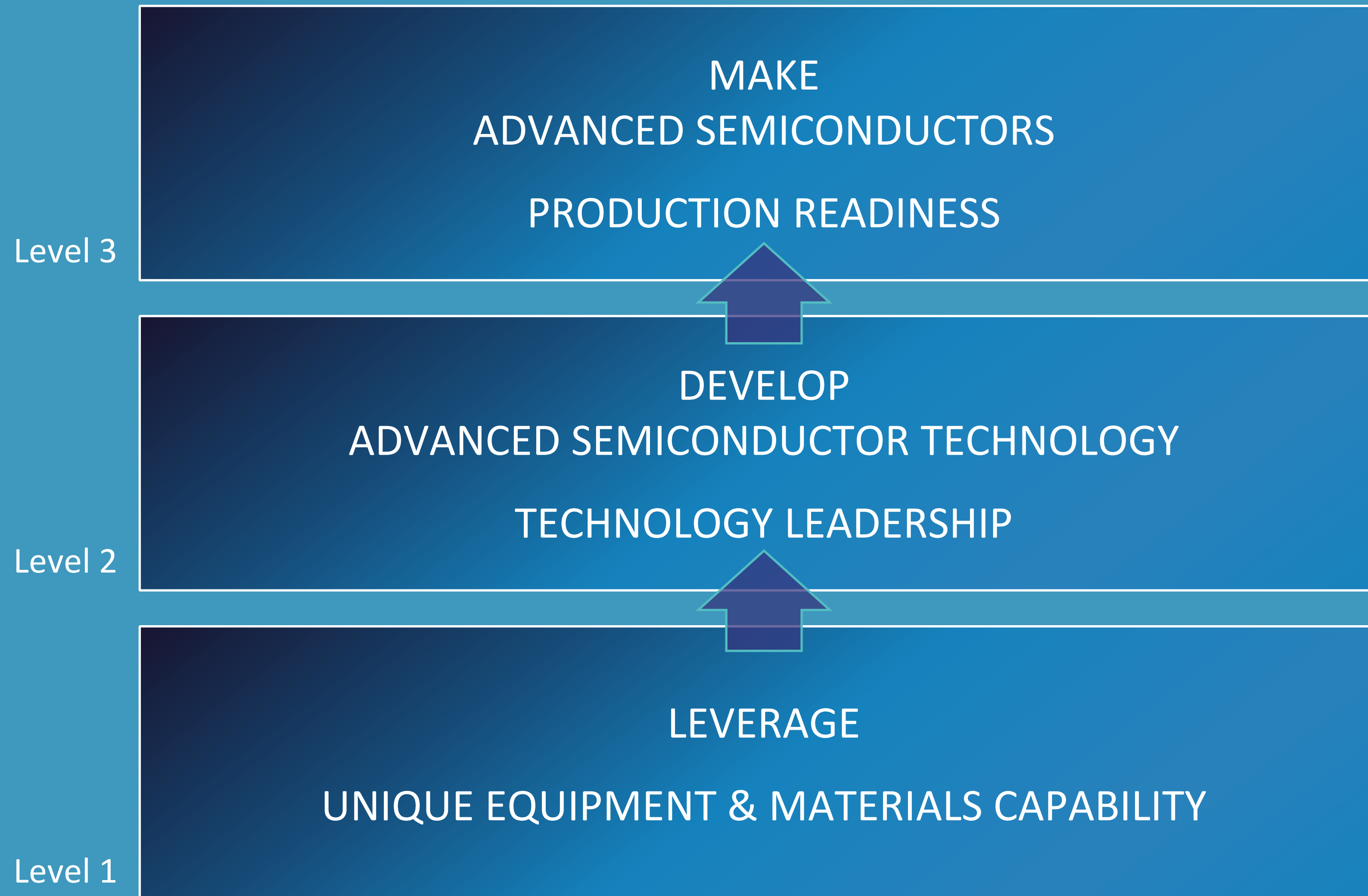


## Regional policies for sovereignty and secure supply





# Building on European strengths



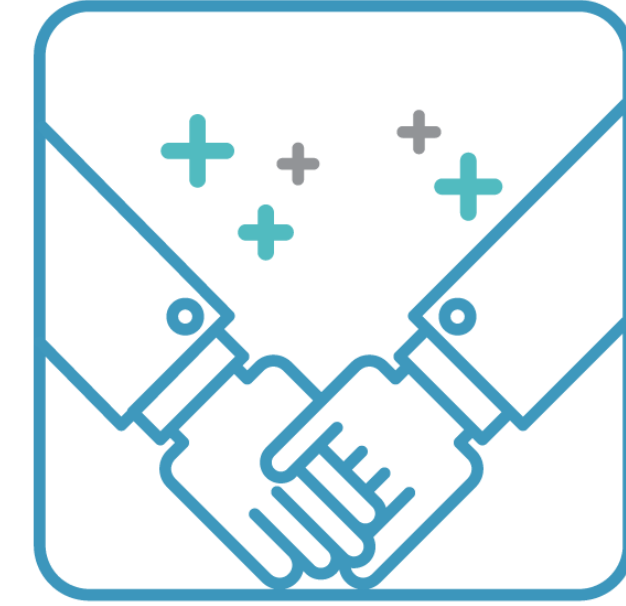
# Imec as the **world-leading R&D and innovation hub** in semiconductors and digital technology.



WORLD-CLASS INFRASTRUCTURE  
**>12,000 M<sup>2</sup>  
CLEANROOM**



CLOSE TO  
**5,000 SKILLED  
RESEARCHERS**  
FROM OVER 95 NATIONALITIES



A  
**TRUSTED  
PARTNER FOR**  
COMPANIES, STARTUPS & ACADEMIA

2022 budget: **800M€**





FAB2/3 300mm

FAB1 200mm

Support facility

**300mm fab**

Investment ~3,5B€

Clean room: ~12000 m<sup>2</sup>

**24/7** operation



The image shows the European Union flag, which is a blue rectangle with twelve yellow five-pointed stars arranged in a circle. The flag is waving in the wind against a clear blue sky. A white flagpole is visible on the left side of the frame.

# EU APPROACH FOR TECHNOLOGY LEADERSHIP



Advanced and  
Leading-Edge  
Semiconductor  
Technology  
Pilot Lines

New  
System  
Concept  
Demonstration

Design and  
System  
Integration  
Infrastructure



# European technology leadership through R&D pilot fab infrastructure

Deliver all  
**process technology modules**  
for most advanced IC nodes

**SECURE**  
European IP and  
technology leadership

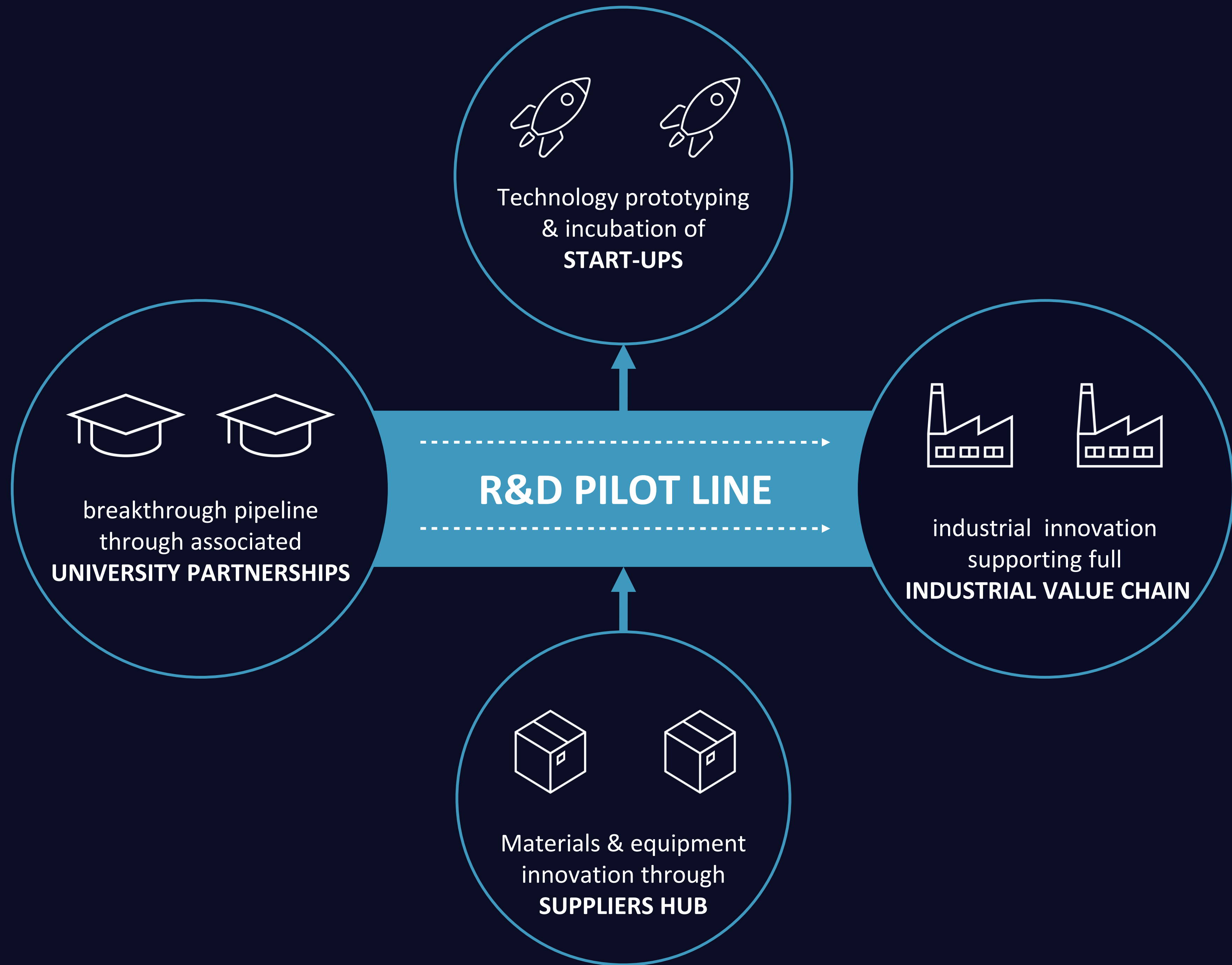
Develop and demonstrate  
future  
**equipment & materials**  
Solutions

**ENSURE**  
European leadership on  
equipment and materials

Provide a platform for  
**concept demonstration** and  
**prototyping** of future **HPC**  
and **digital system** innovation

**CREATE**  
the **market** and **demand**  
in Europe





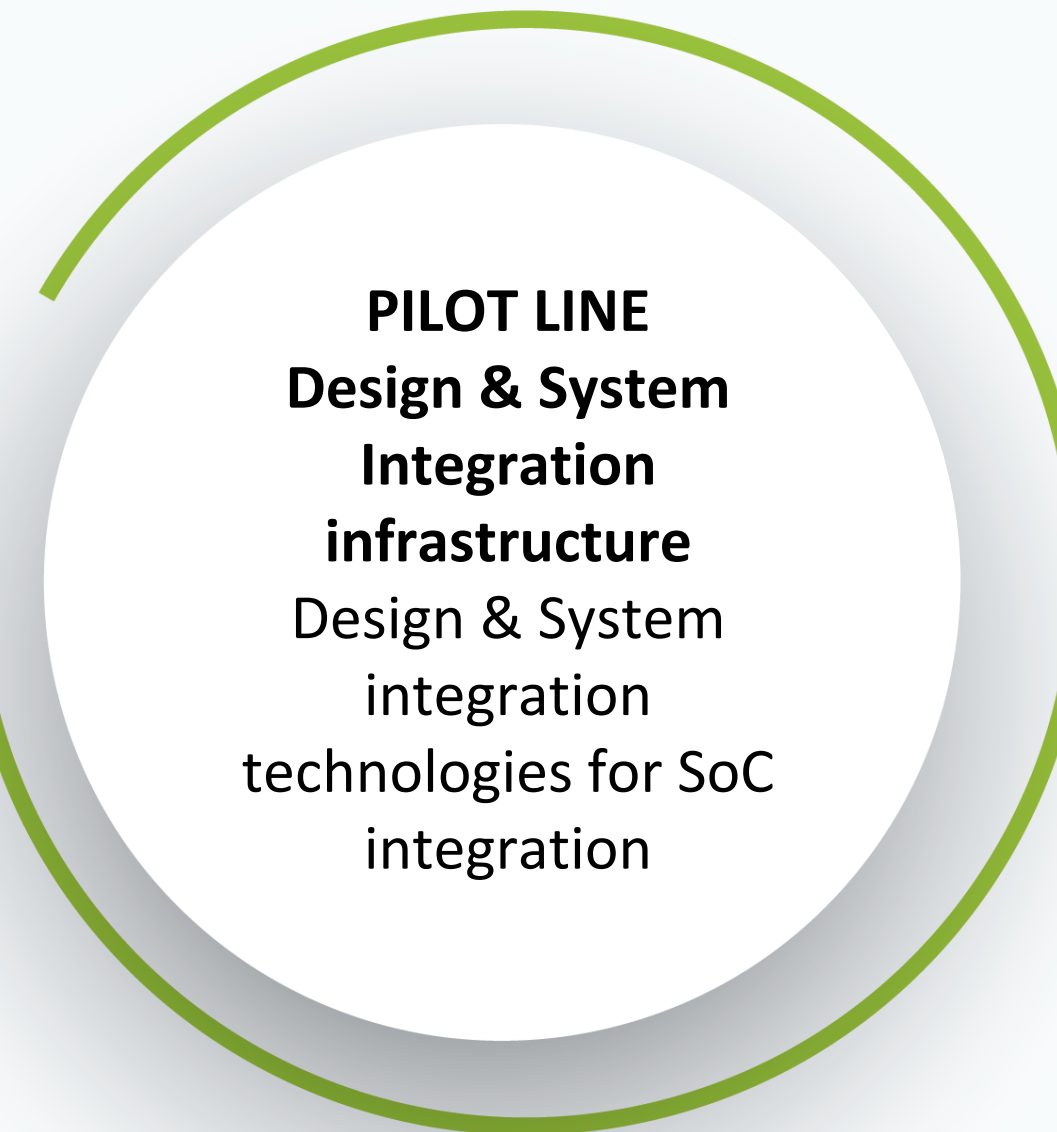
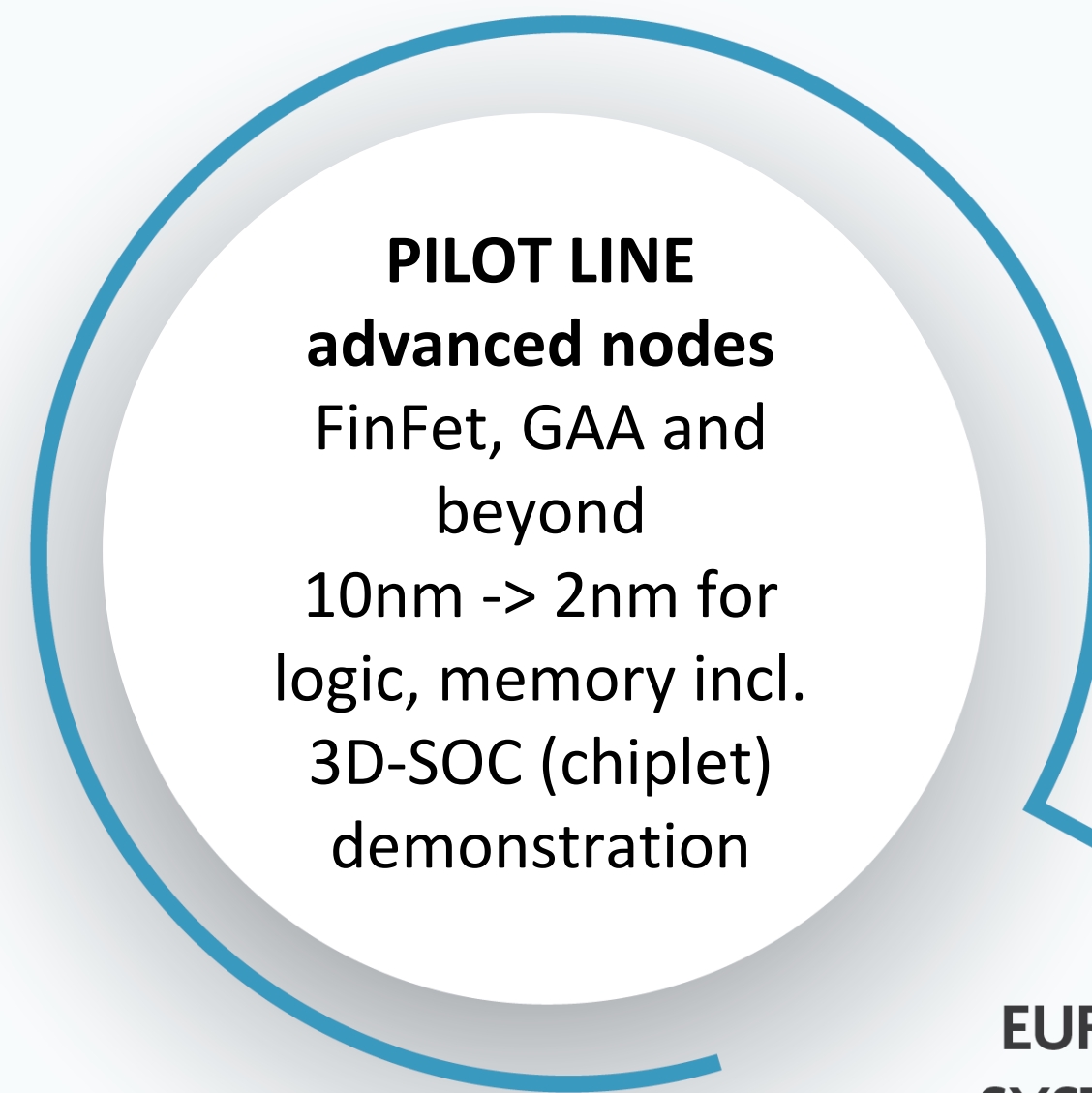




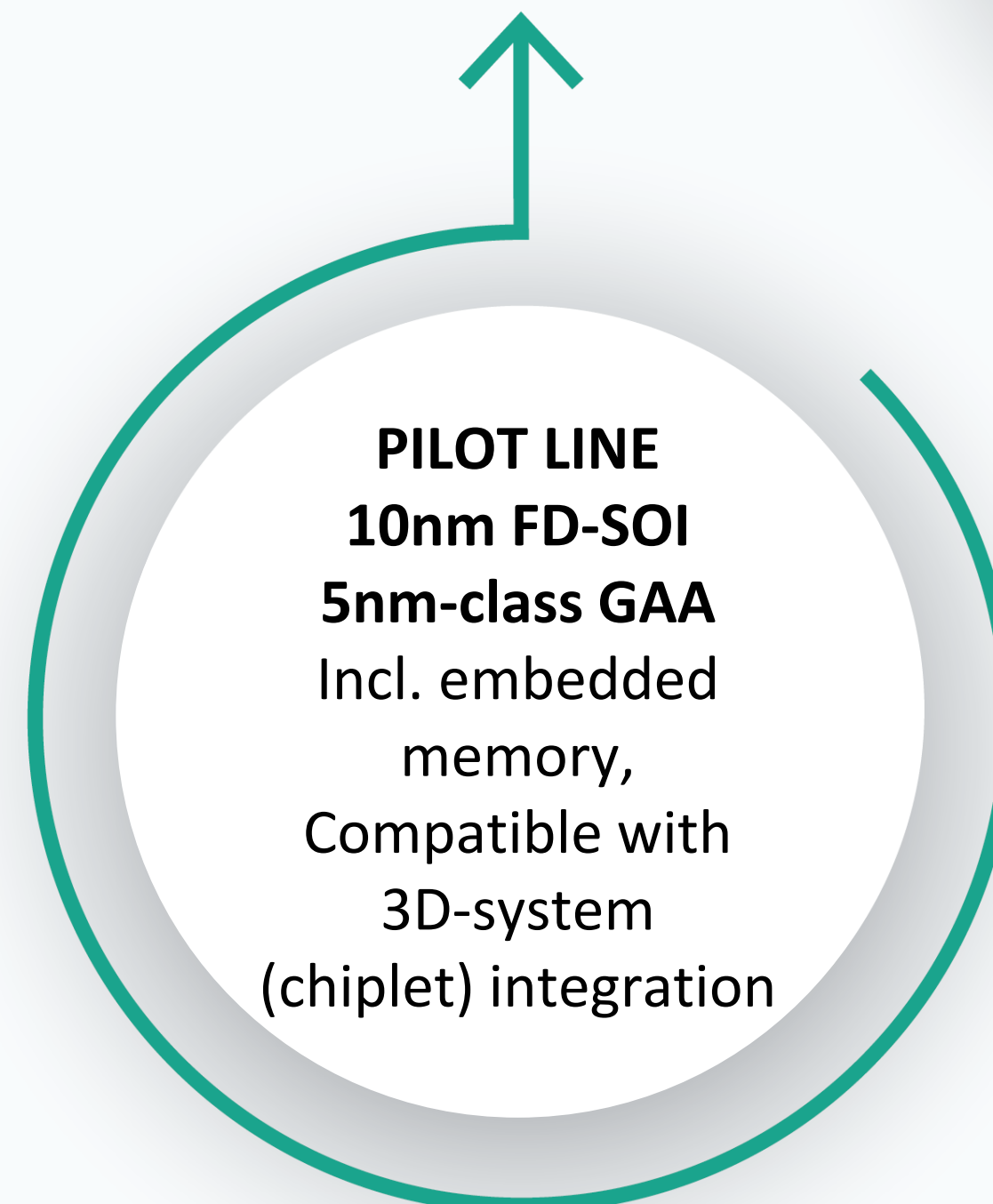
EUROPEAN NEW  
SYSTEM CONCEPT  
DEMONSTRATION







**EUROPEAN NEW  
SYSTEM CONCEPT  
DEMONSTRATION**







mec

embracing a better life