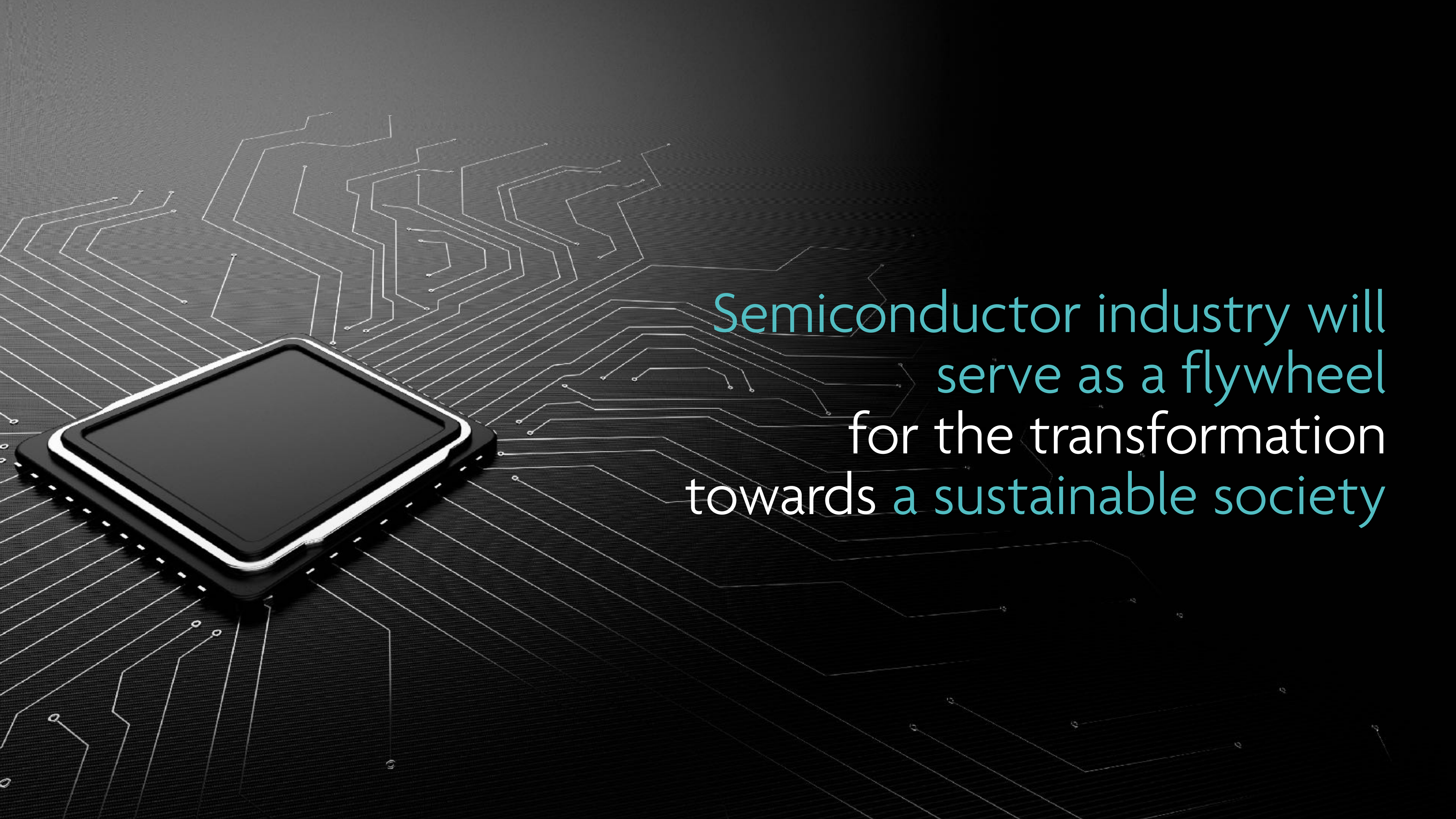


Competences and skills in semiconductor R&D

Contribution for discussion on Open strategic autonomy

Jo De Boeck, EVP and CSO imec





Semiconductor industry will
serve as a flywheel
for the transformation
towards a sustainable society



HEALTH



INDUSTRY



MOBILITY



CITY



ENTERTAINMENT



ENERGY



EDUCATION



AGROFOOD

SYSTEM & SoC
ARCHITECTURES

TECHNOLOGY PLATFORMS

CORE
SEMICONDUCTOR
TECHNOLOGY




FAB2/3 300mm

FAB1 200mm

Lab and materials research

Support facility



300mm fab

Investment ~**3.5B€**

Clean room: ~**12,000 m²**

tools: > **200**

24/7 operation



imec



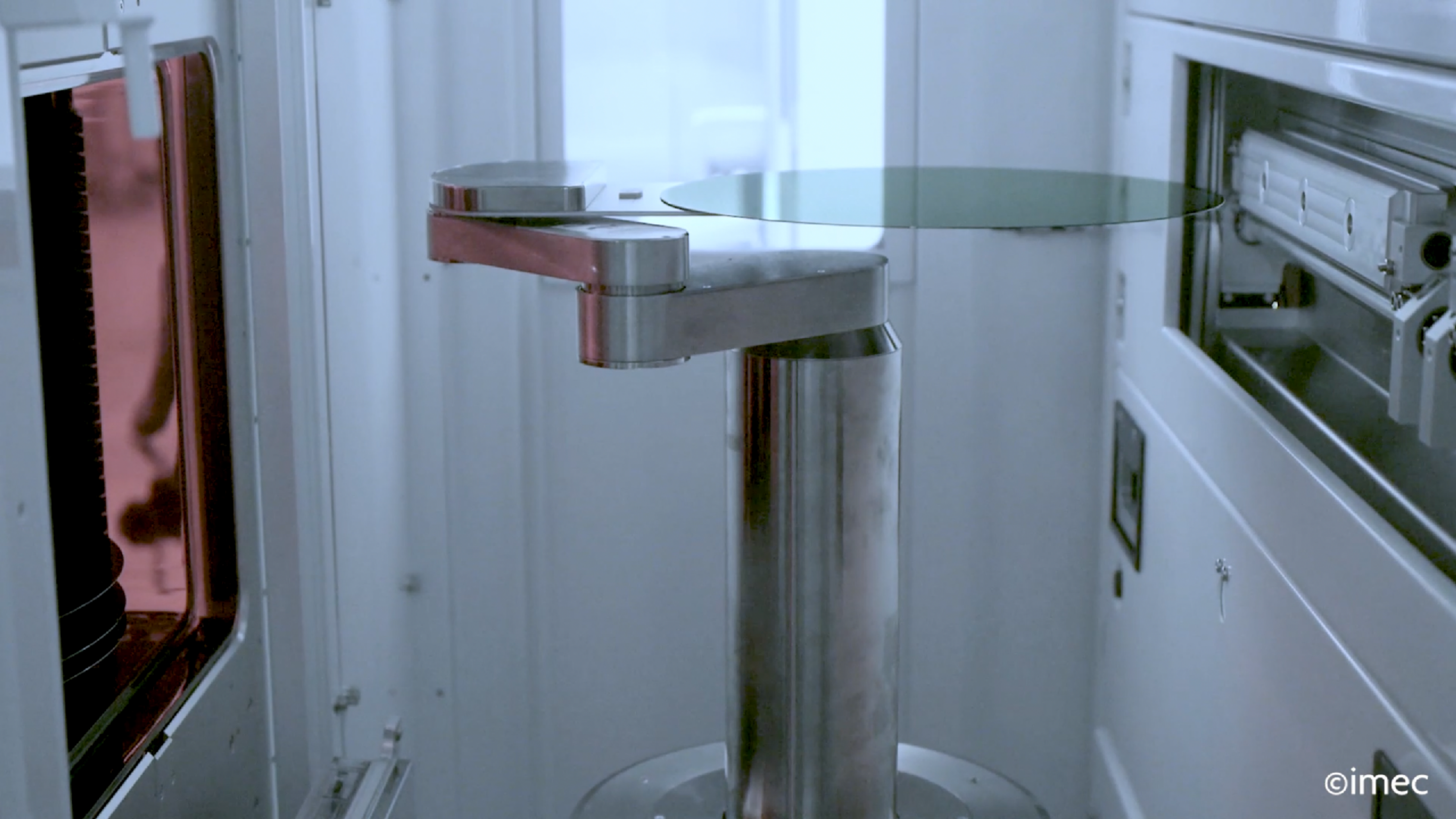


ASML



A cleanroom environment with technicians in white protective suits working at a workstation. The scene is brightly lit with overhead fluorescent lights. In the foreground, a person in a white suit is blurred, moving from left to right. In the background, another person in a white suit is seated at a workstation with a computer monitor. The room contains various pieces of equipment, including a metal cart and a large white cabinet on the right.

+ 200 tools
+ 500 professionals
24/7 operation

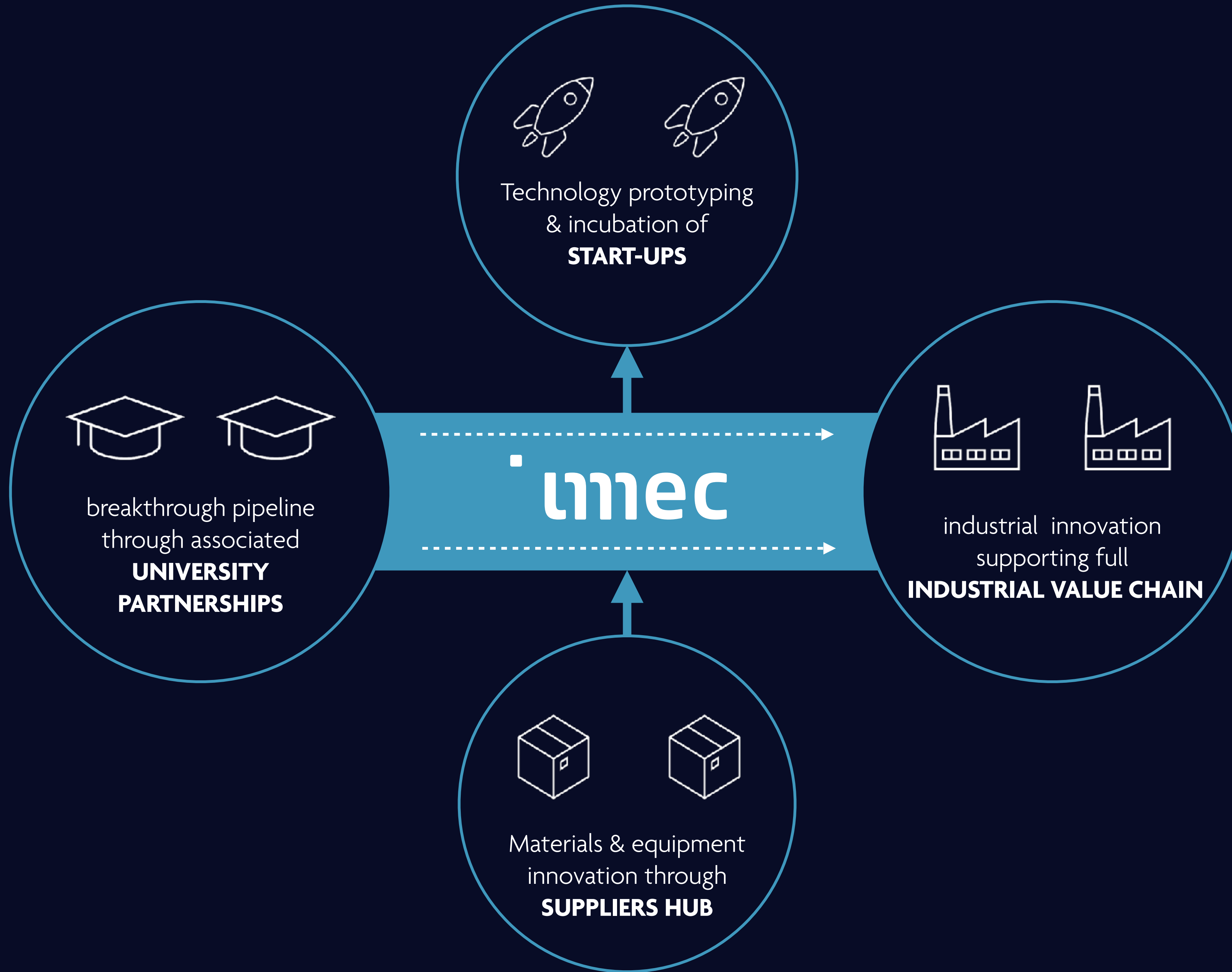






Leveraging **universities**





breakthrough pipeline
through associated
**UNIVERSITY
PARTNERSHIPS**



Technology prototyping
& incubation of
START-UPS



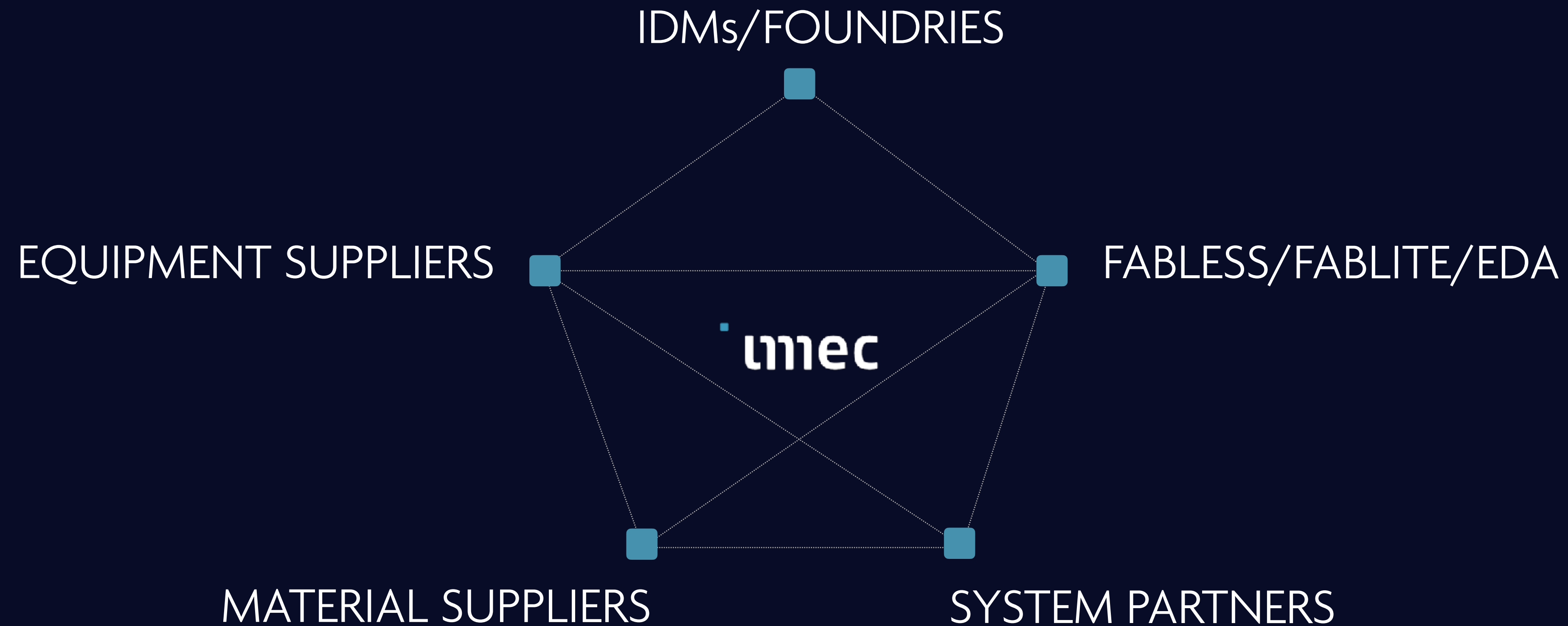
industrial innovation
supporting full
INDUSTRIAL VALUE CHAIN



Materials & equipment
innovation through
SUPPLIERS HUB

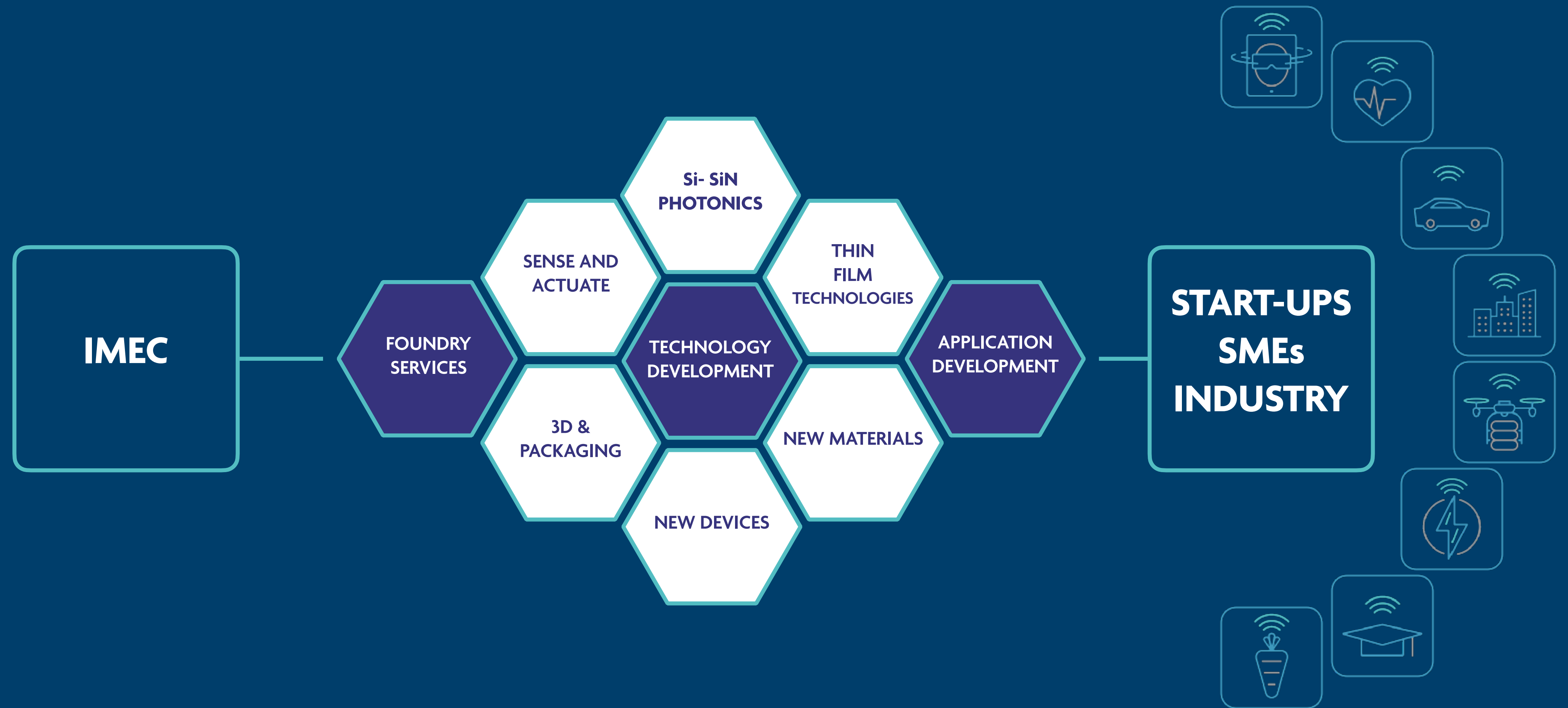
mtec

Networked innovation model



imec.IC-link

Combining foundry + specialty technologies



Technology **D**evelopment-**A**s-**A**-Service



mtec

embracing a better life