



VOKA NOVEMBER 24, 2016

DANNY GODERIS, EVP SMART APPLICATIONS

IMEC'S MISSION

IMEC'S MISSION



Imec is the world-leading R&D and innovation hub in **nanoelectronics** and **digital technology**.

As a trusted partner for companies, start-ups and academia we bring together **brilliant minds** from all over the world in a creative and stimulating environment.

By leveraging our **world-class infrastructure** and **local and global ecosystem** of diverse expert partners across a multitude of industries, we accelerate progress towards a connected, sustainable future.

ANTWERP
CITY OF THINGS



Universiteit
Antwerpen



LEUVEN
HEADQUARTERS



UNIVERSITEIT
GENT



Vrije
Universiteit
Brussel



KU LEUVEN

universiteit
hasselt



GHENT
SMART APPLICATIONS

GENK
ENERGYVILLE



USA
SAN FRANCISCO



USA
ORLANDO

BELGIUM - HQ
LEUVEN



THE NETHERLANDS
EINDHOVEN

INDIA
BANGALORE



CHINA
SHANGHAI



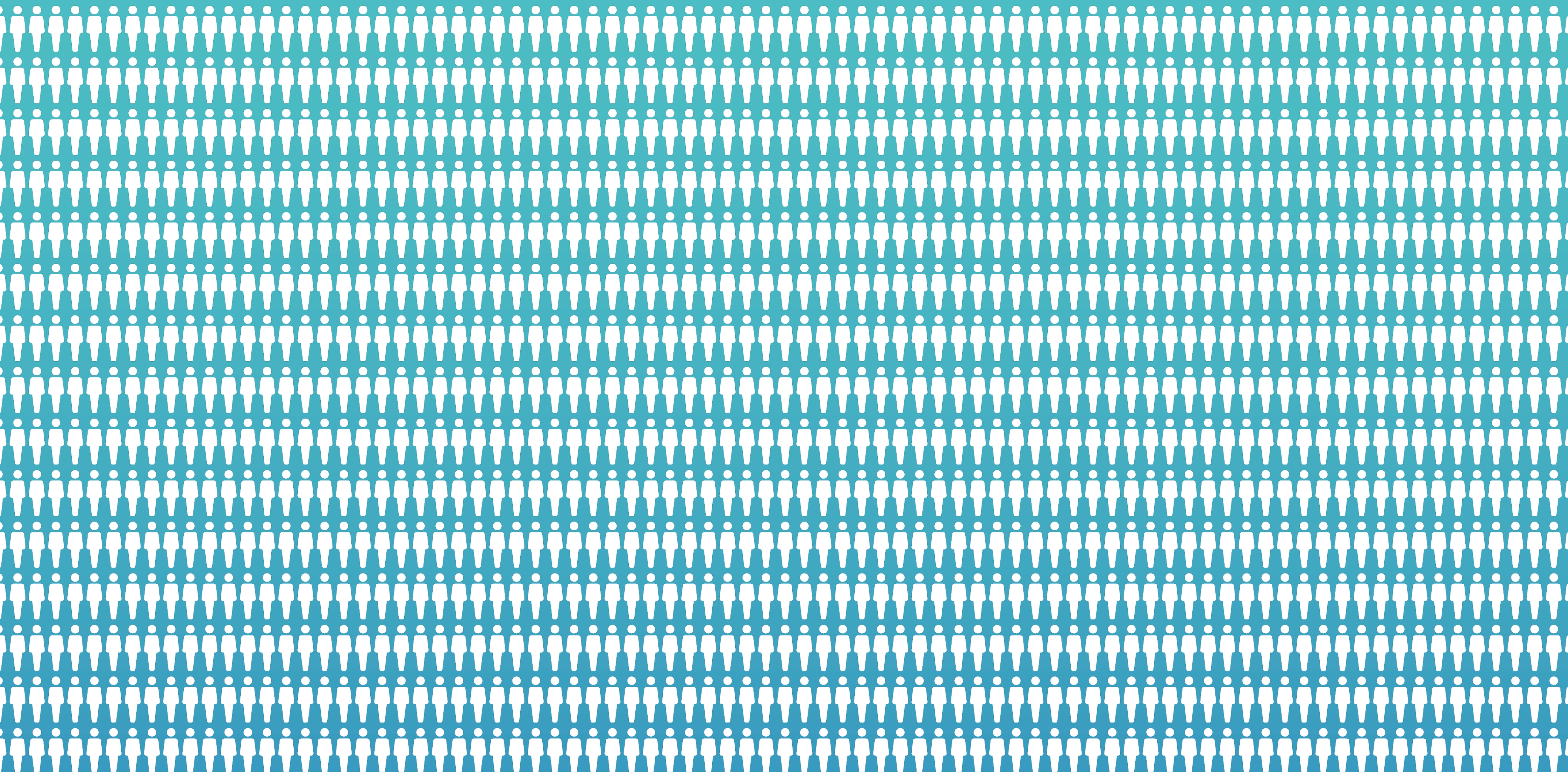
JAPAN
OSAKA



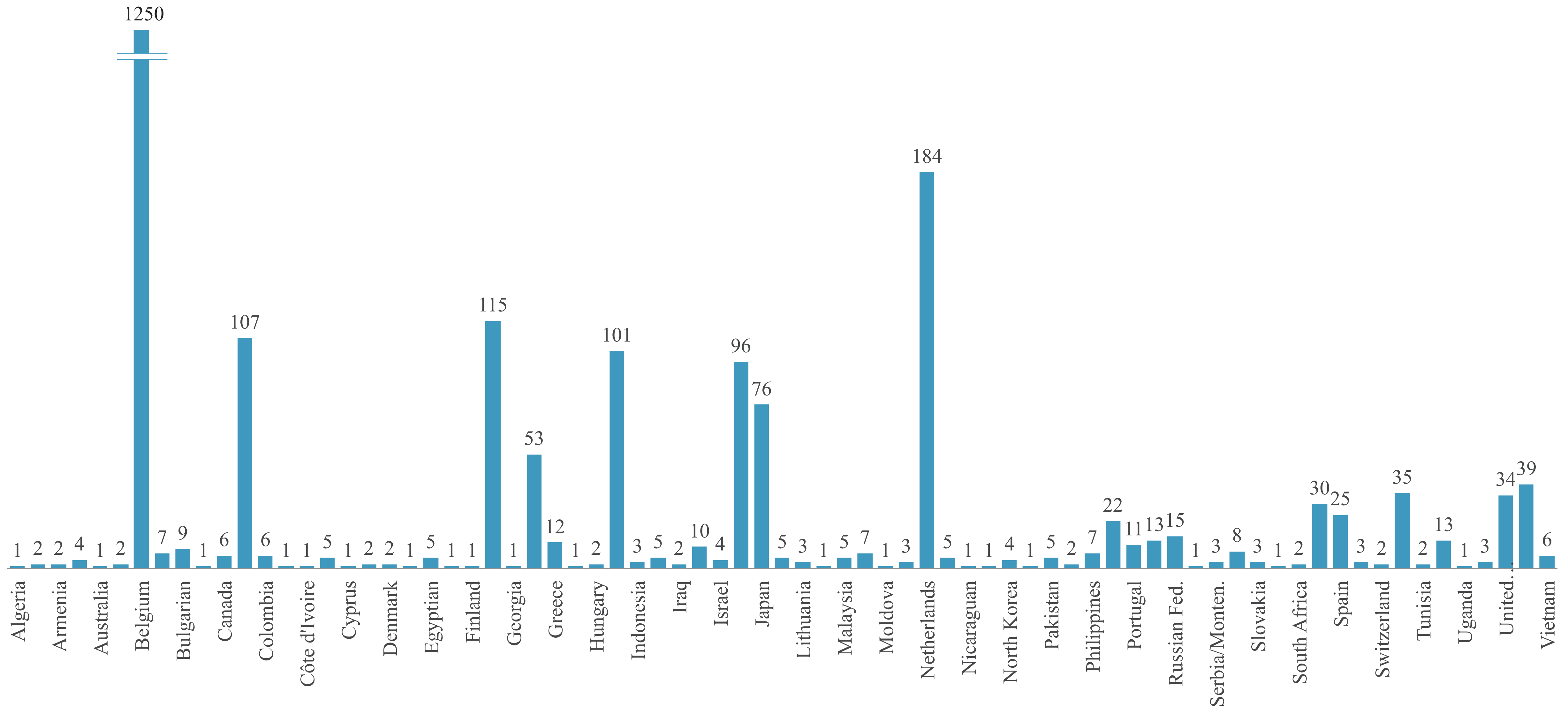
JAPAN
TOKYO

TAIWAN
HSINCHU

~3,500 RESEARCHERS



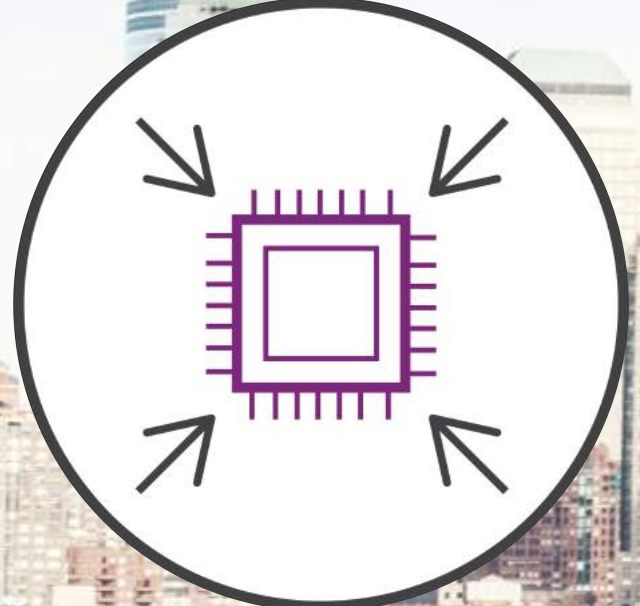
75 DIFFERENT NATIONALITIES

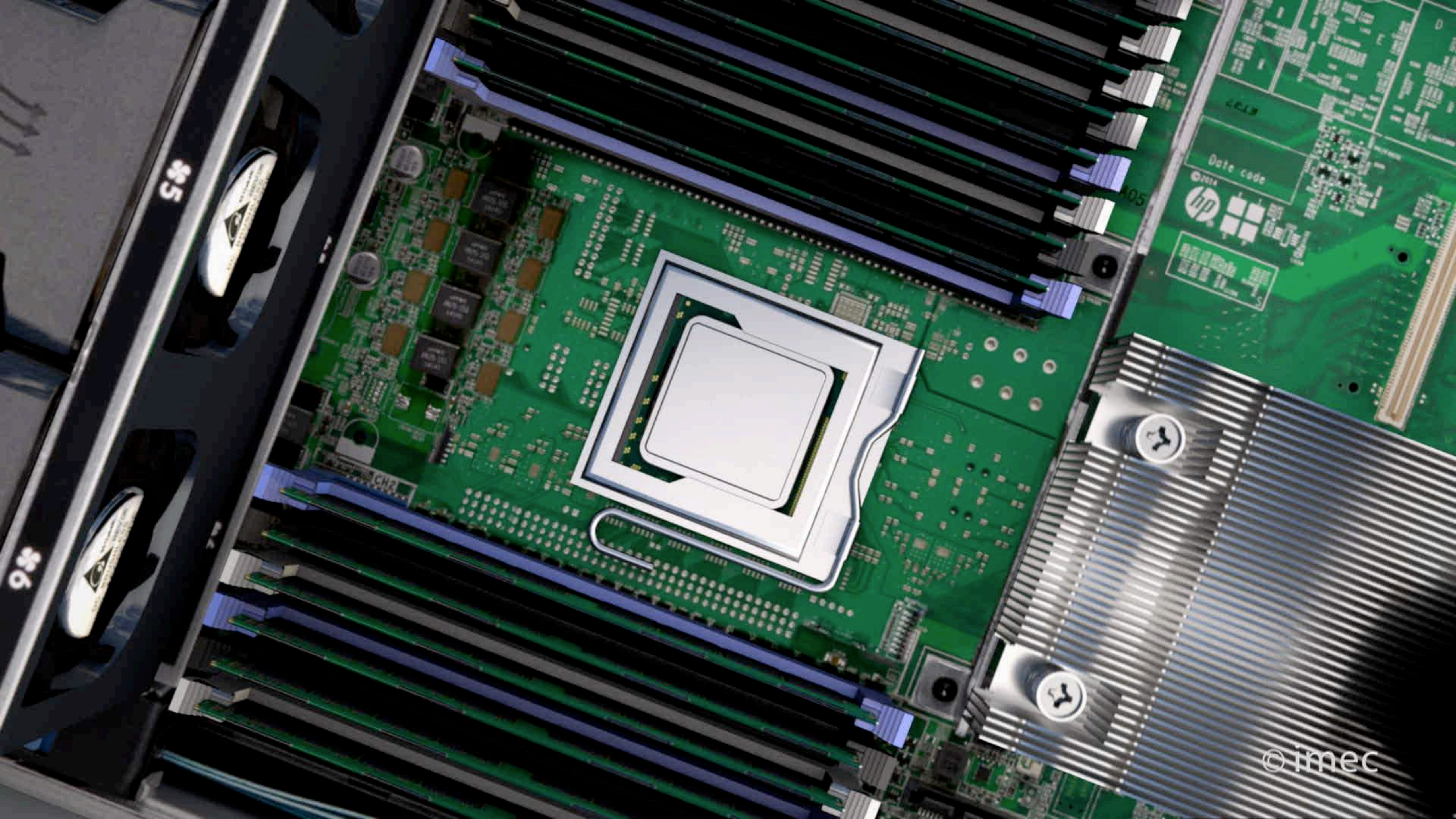




at imec, we shape the future

MOBILE REVOLUTION





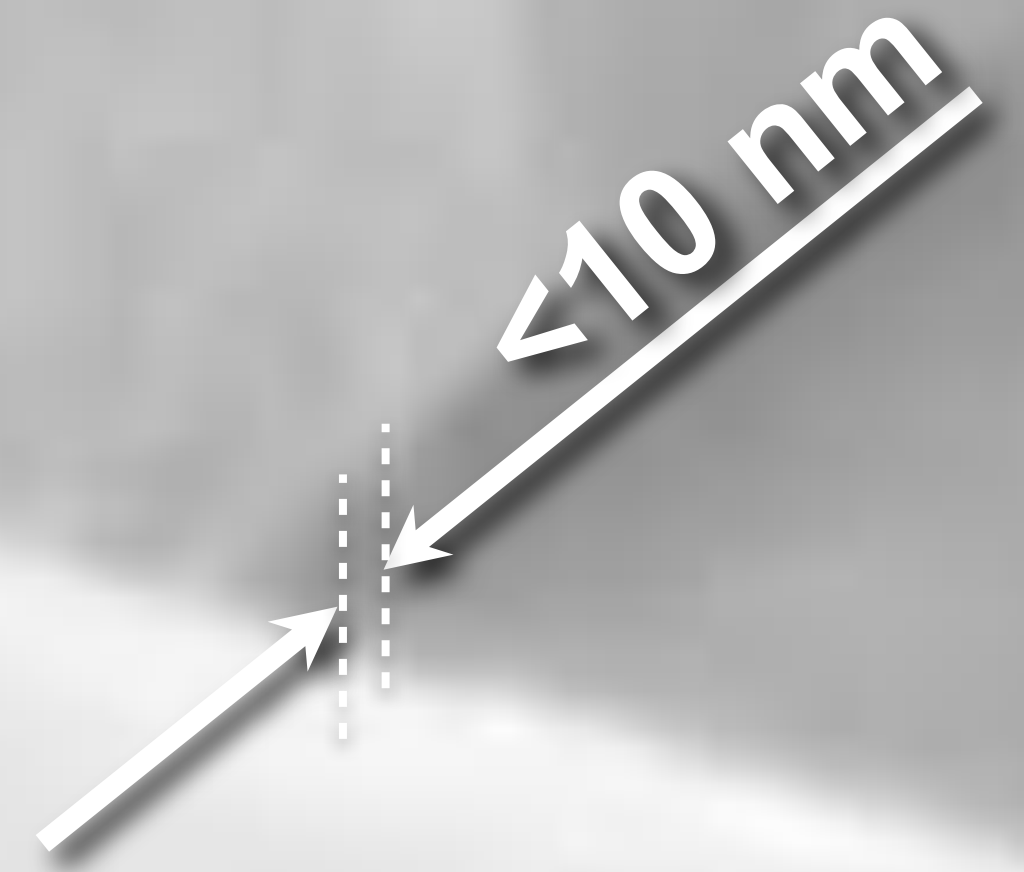
95

96

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© 2014

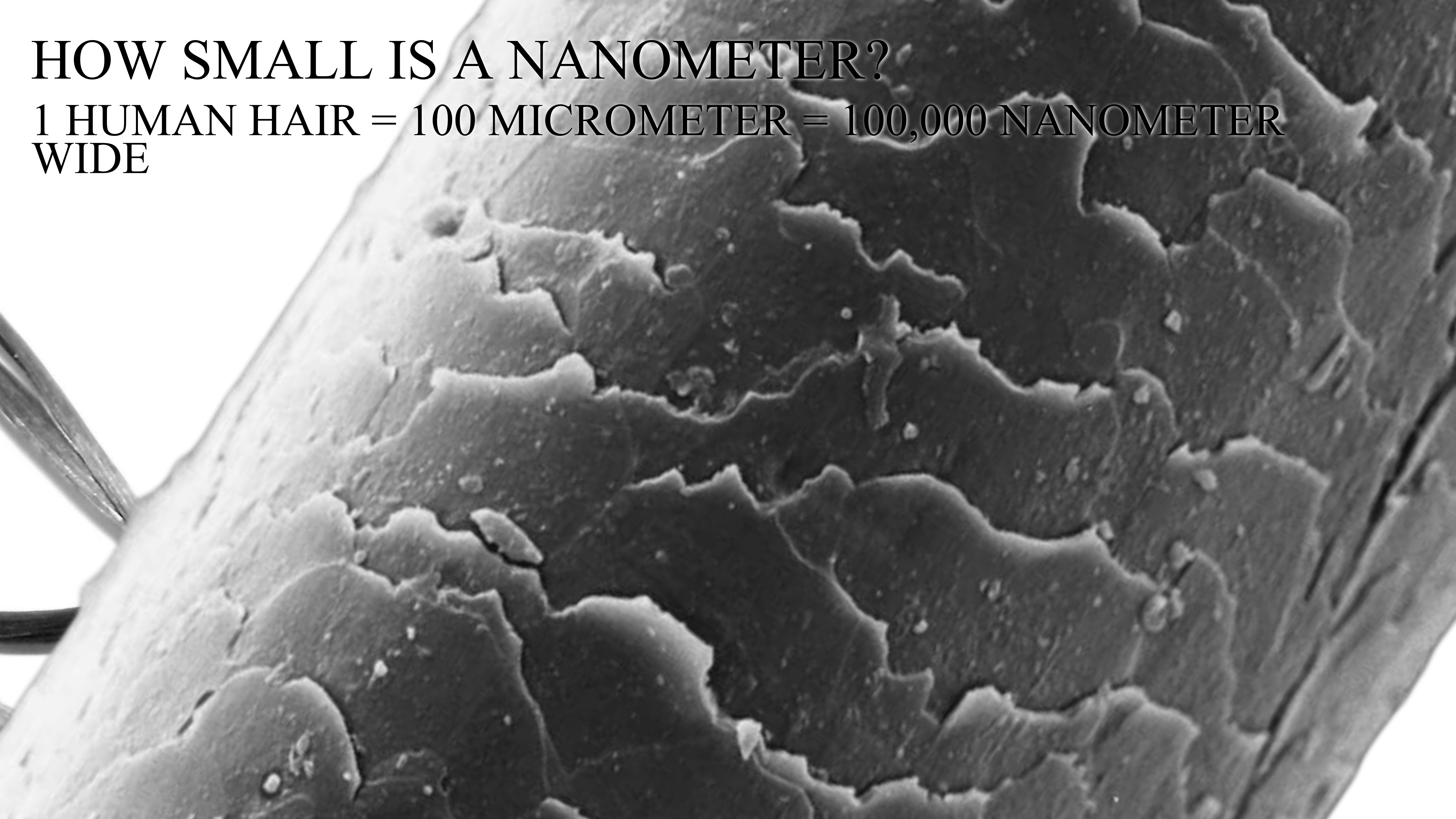
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TRANSISTOR



HOW SMALL IS A NANOMETER?

1 HUMAN HAIR = 100 MICROMETER = 100,000 NANOMETER
WIDE



UNIQUE HIGH-TECH INFRASTRUCTURE

NERF
LAB

FAB 2
(300MM)

FAB 3
(300MM)
UNDER CONSTRUCTION

FAB 1
(200MM)

THIN
FILM
LINE

SILICON
SOLAR
CELL
LINE

NANO
BIOLABS

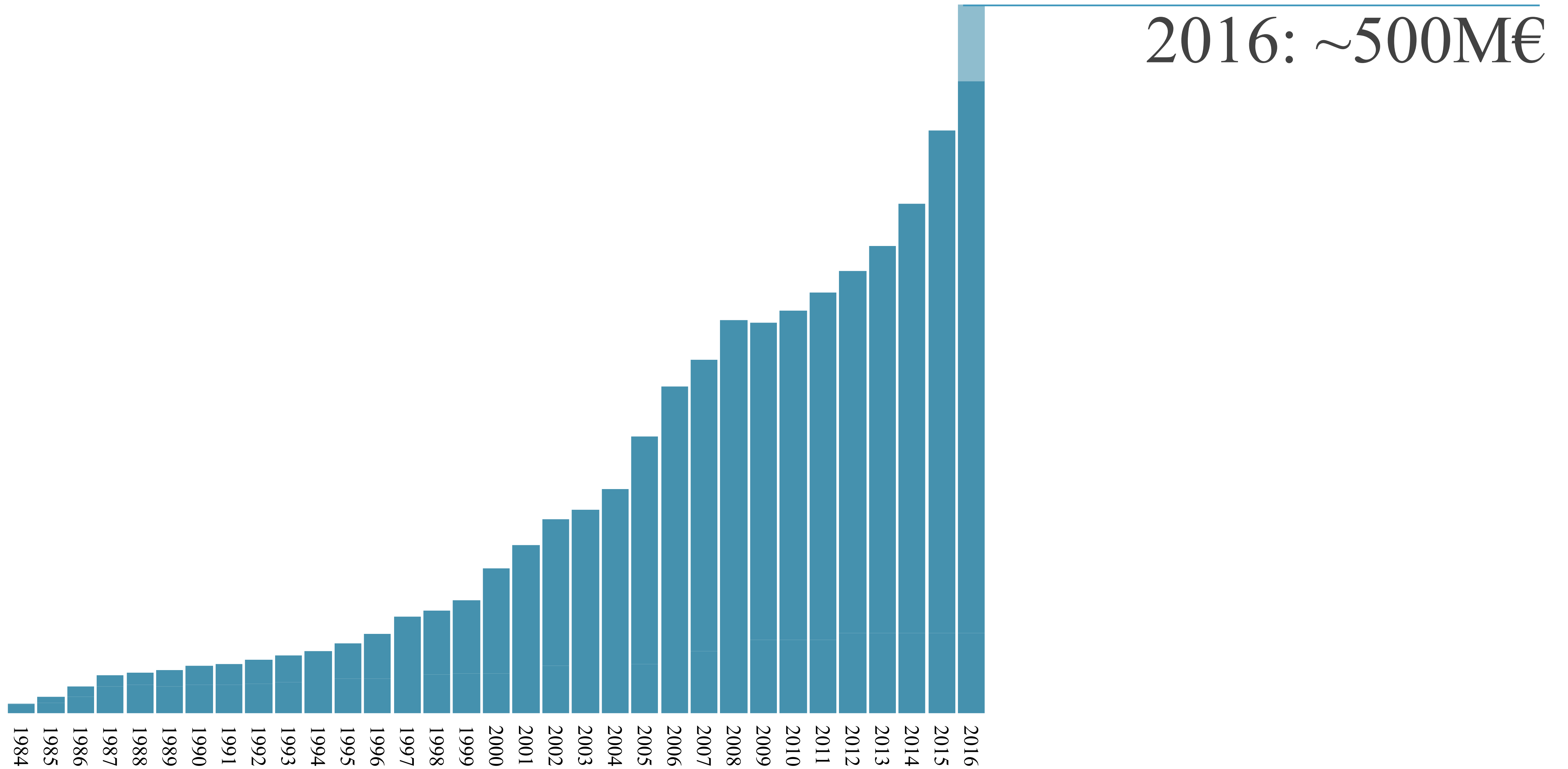
LEUVEN HEADQUARTERS



~2B€ investments



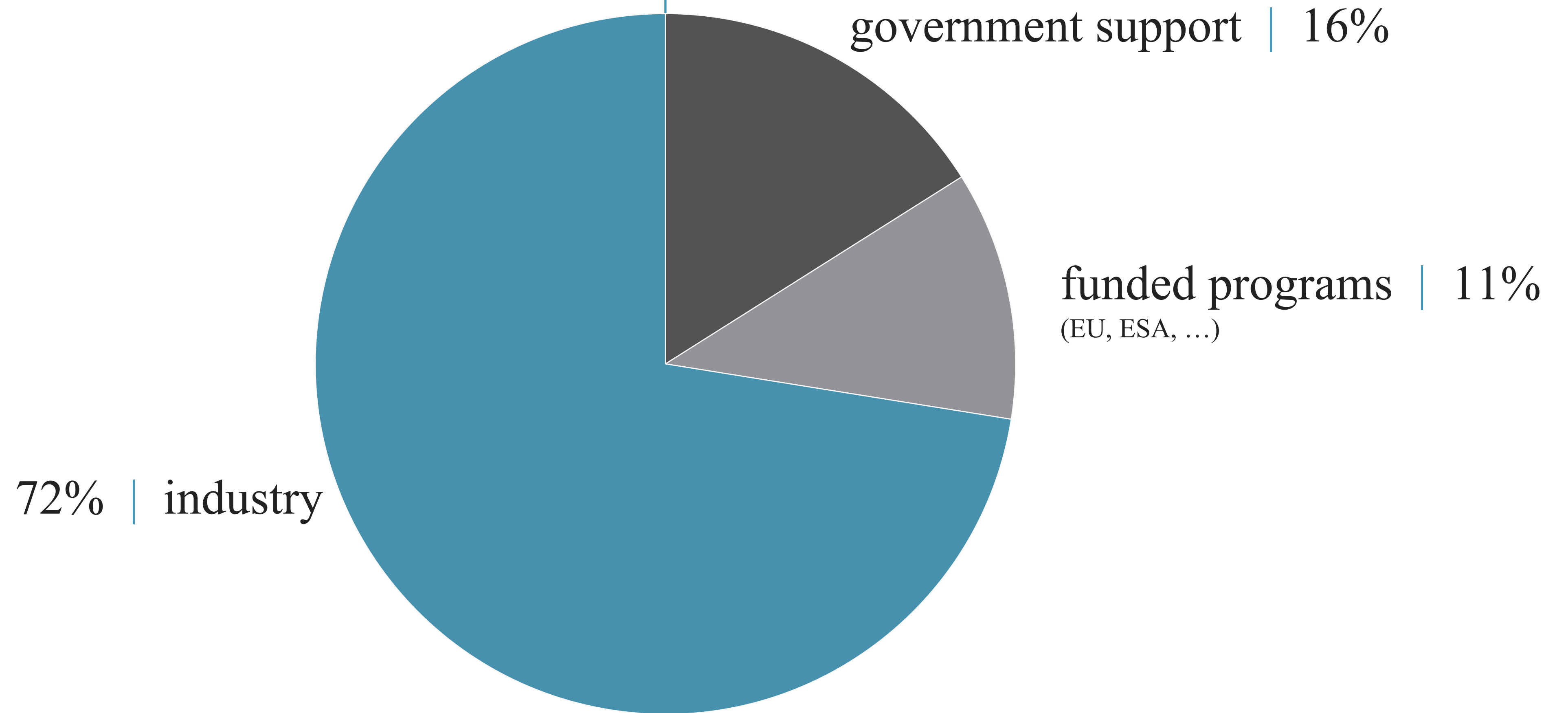
REVENUE



REVENUE



2016: >500M€





PC WAVE

1980



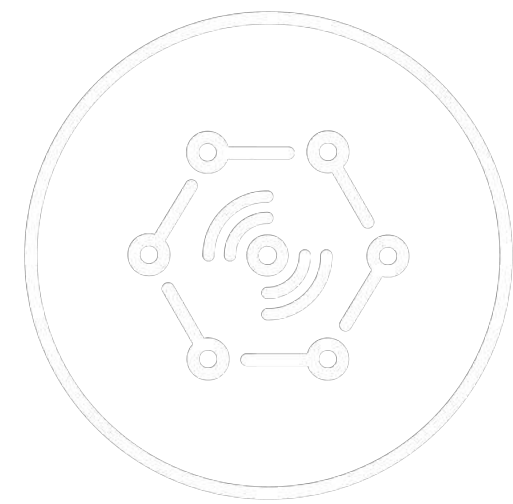
APP WAVE

2000



IoT WAVE

2015



APP WAVE



PC WAVE

1980

2000





PC WAVE

1980



APP WAVE

2000



IoT WAVE

2015







EMERGENCY & SECURITY



SMART LIVING



RETAIL & SHOPPING



INTERACTIVE GAMING



ENVIRONMENTAL MONITORING



AUTOMOTIVE



SPORTS



UTILITIES



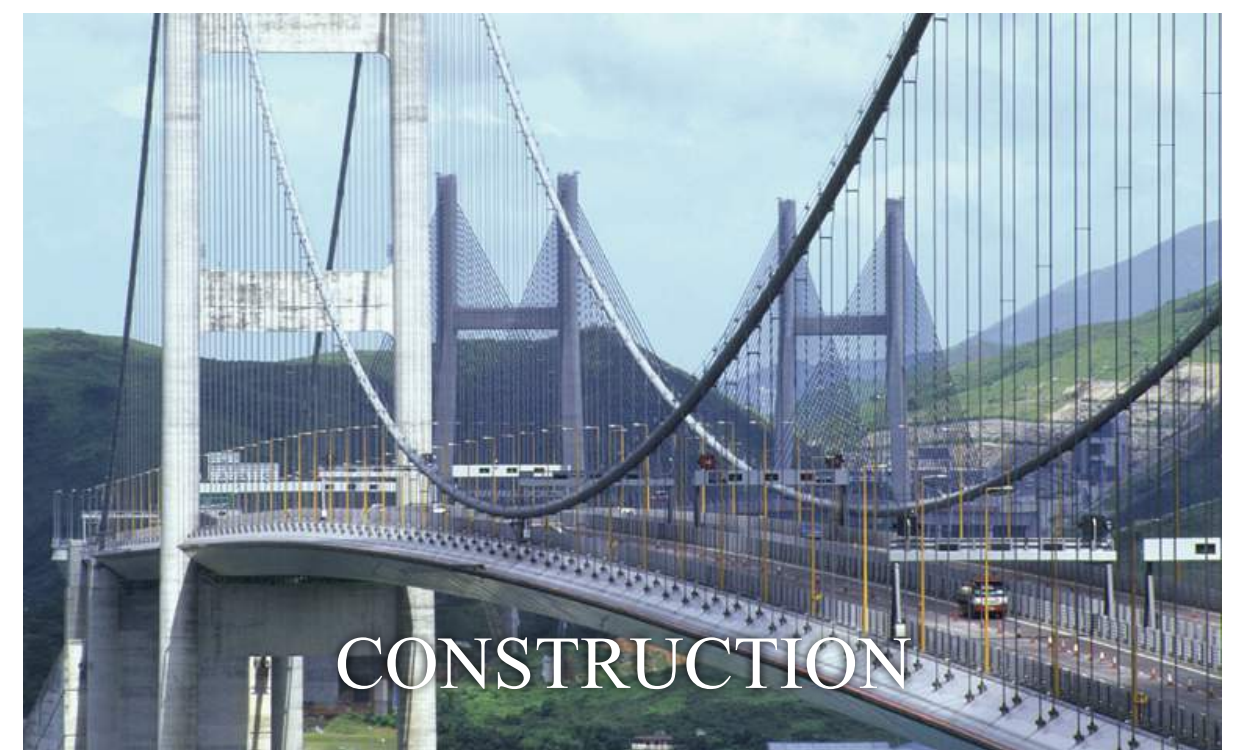
AGRICULTURE



CONSUMER ELECTRONICS



HEALTHCARE

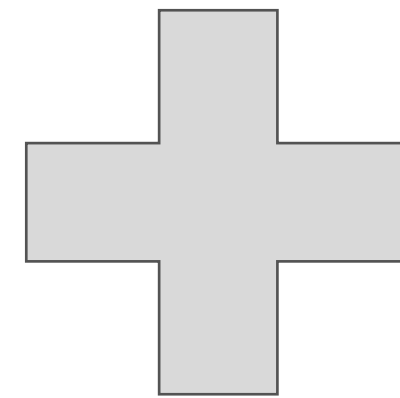


CONSTRUCTION

IMEC - IMINDS MERGER

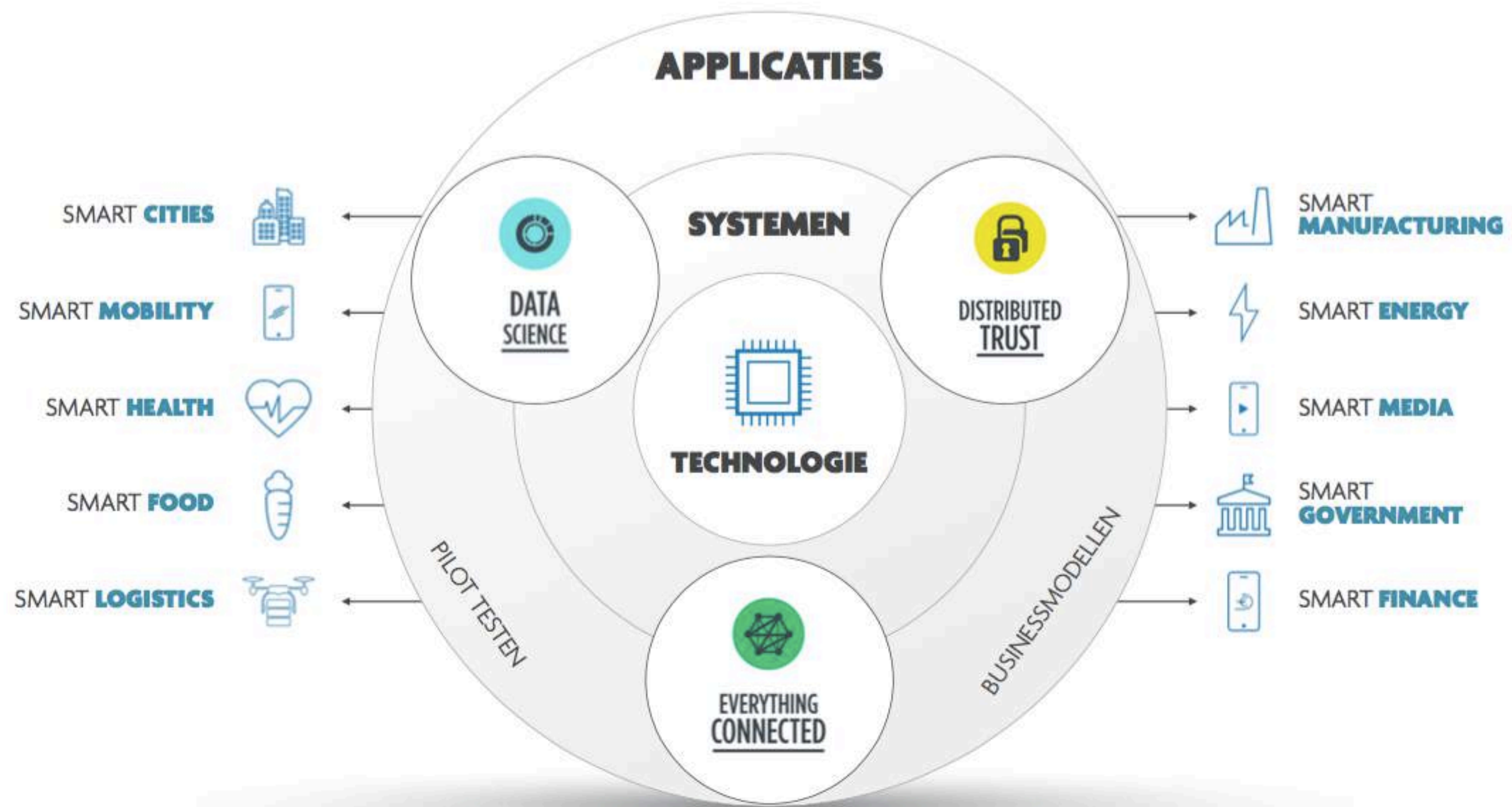


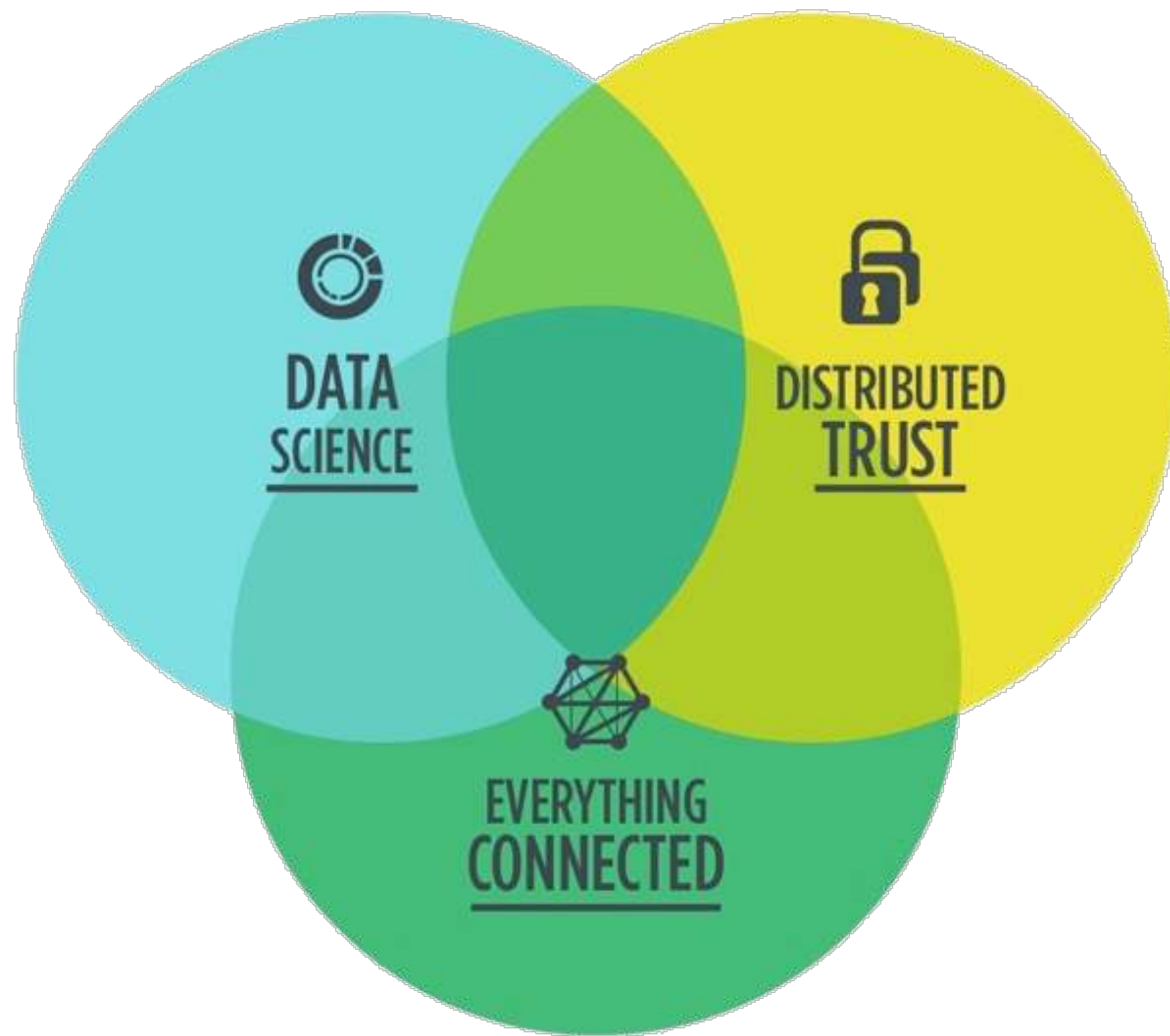
IMINDS HAS BEEN INTEGRATED IN IMEC AS FROM OCTOBER
1TH 2016



- Technology – Systems
- Strong international leadership
- Industrial R&D

- Applications – Software
- Mainly Flemish focus
- European funded programs





APPLICATION DOMAINS





wearables & diagnostics
healthcare within everybody's reach



smart mobility
connected driverless cars



smart manufacturing & logistics:
where humans and robots
work together



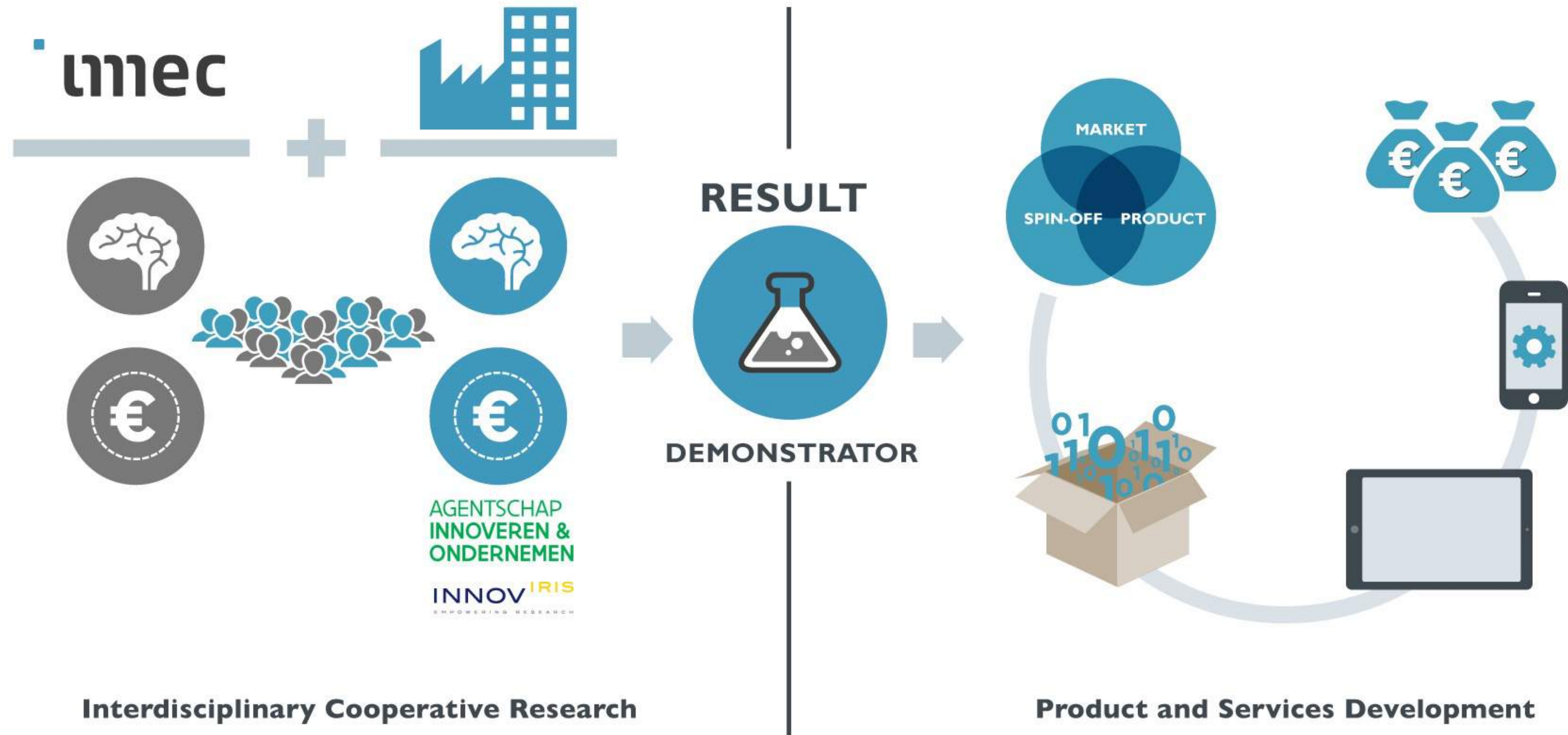
smart cities:
Europe's largest smart city lab



sustainable energy generation & storage

imec.icon

R&D COOPERATION WITH FLEMISH INDUSTRY

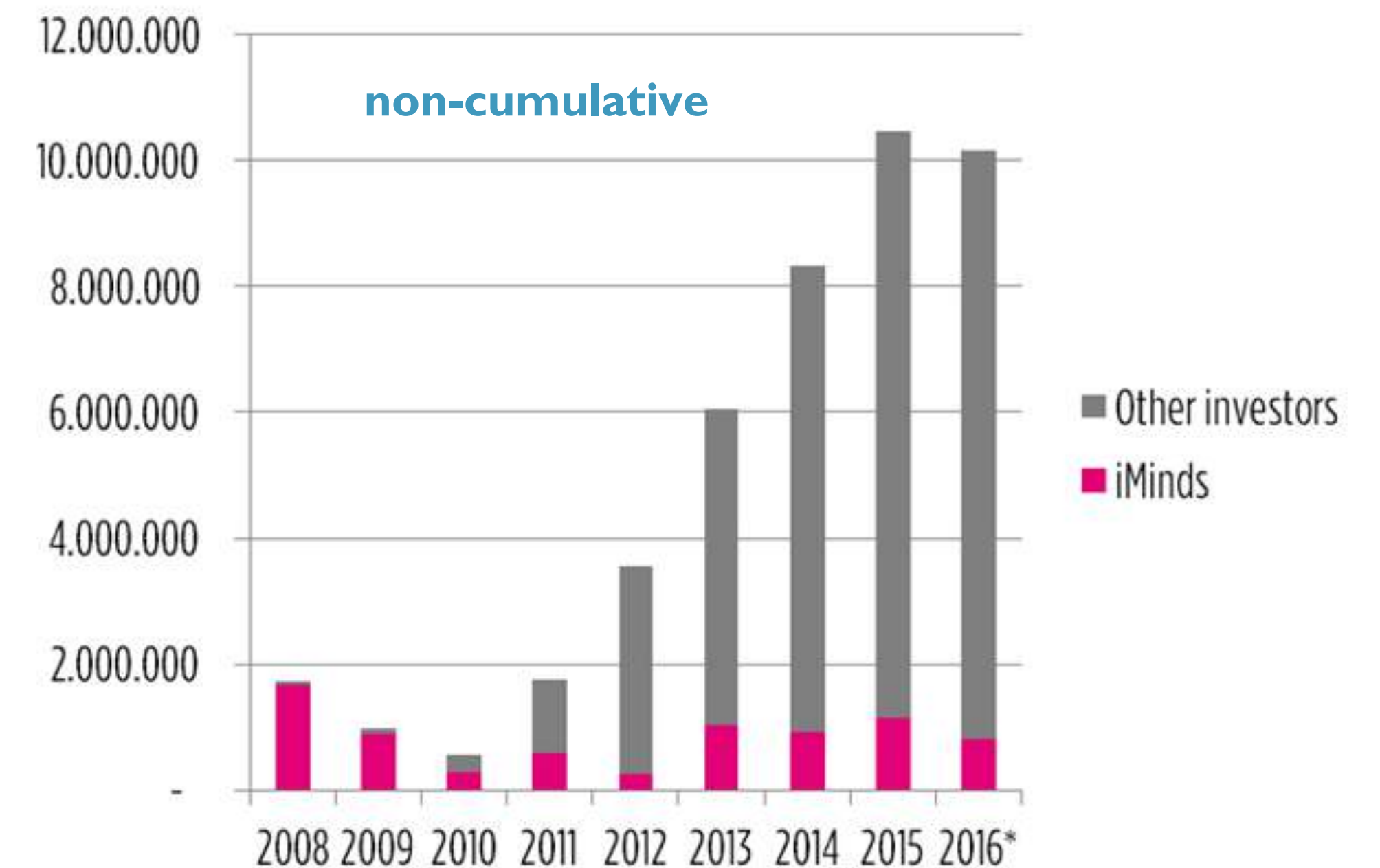
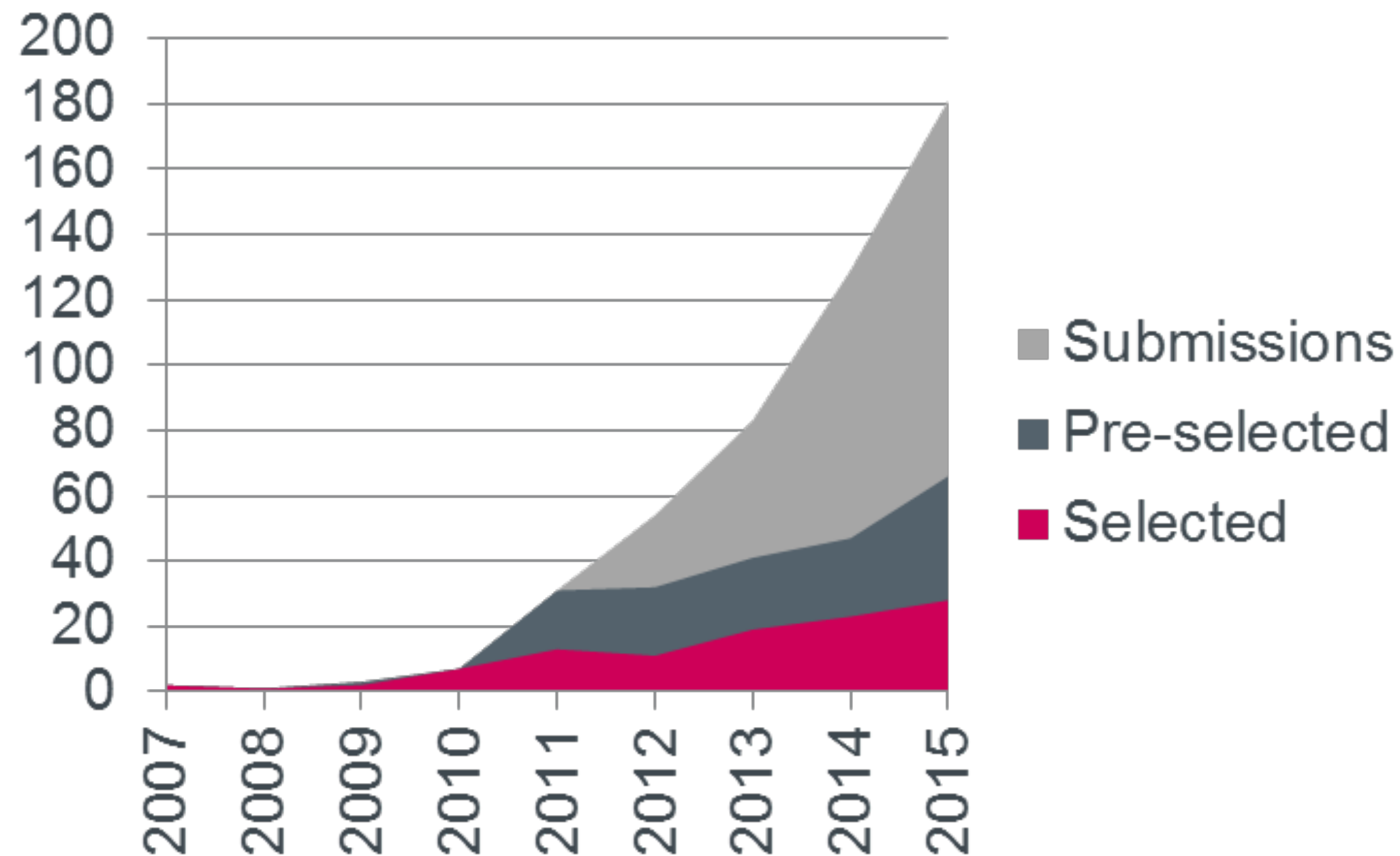




IMEC.ISTART
=
BUSINESS INCUBATION PROGRAM
FOR THE CREATION & SUPPORT
FOR TECHNOLOGY-BASED
SMALL & MEDIUM-SIZED ENTERPRISES

imec.istart

- the digital seed incubator for Flanders



imec.istart submissions & selections

€1 iMinds → €7.5 follow-up investments

* First 6 months of 2016

KEY NUMBERS & IMPACT

**+ 450
jobs
created**

**+ 45 M
EUR
funding**

**x8
leverage
on
investm.**

Average yearly growth of 80%



Benchmarked as the no. 4 accelerator worldwide,
amongst over 500 similar programs

**+ 20 M
EUR
revenue**

Average yearly growth of 75%

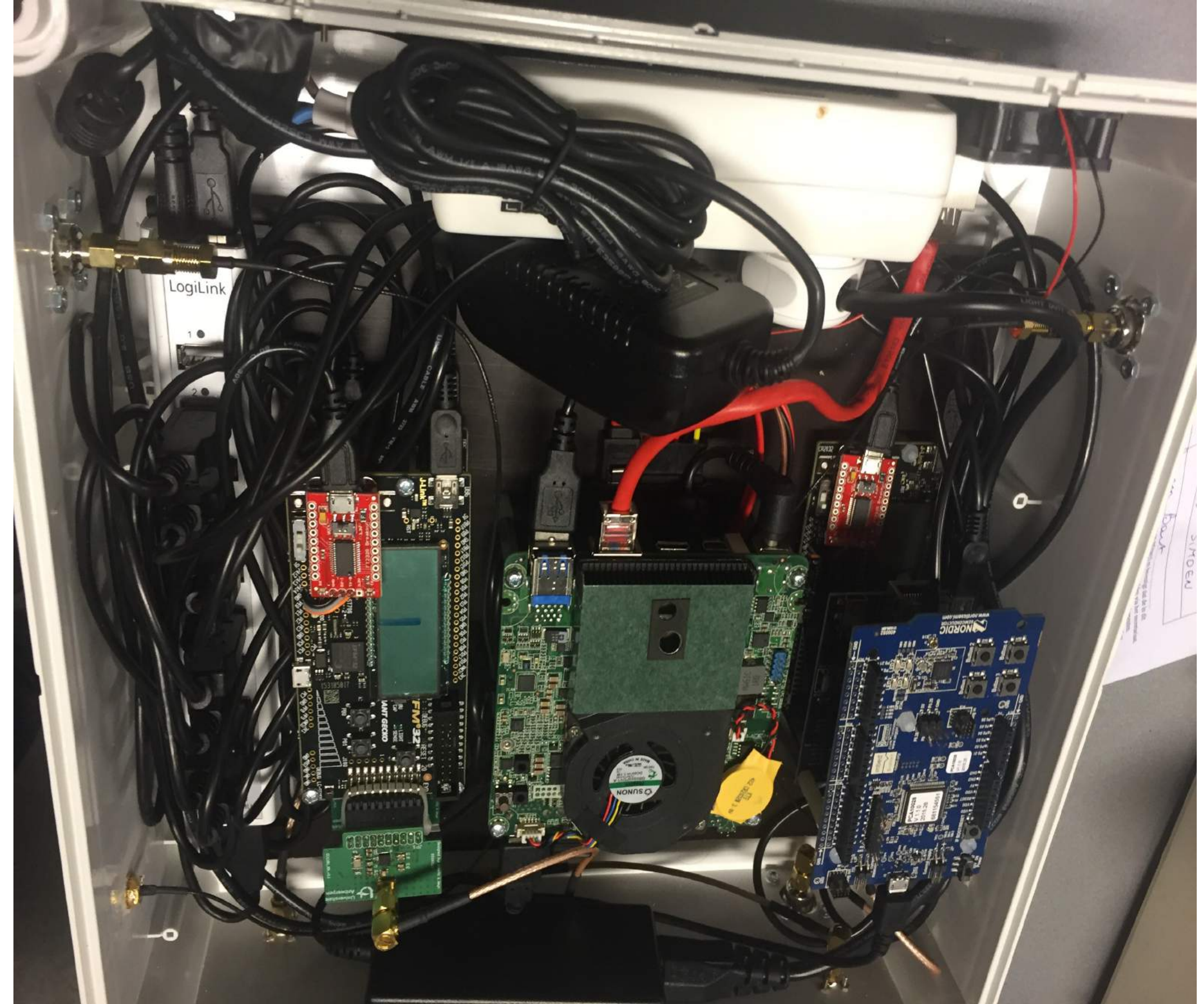
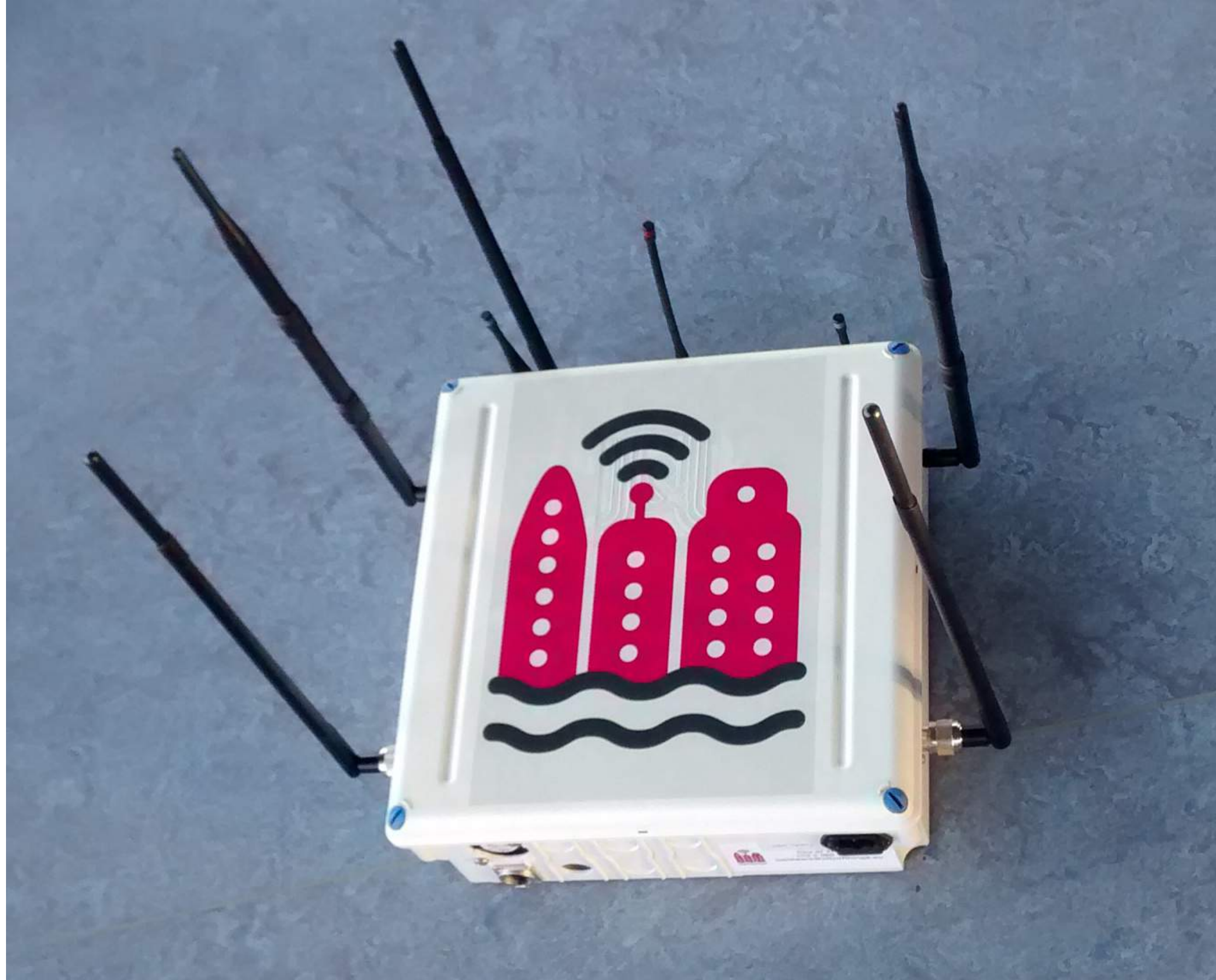
**+ 115
start-ups**



Flagship project City of Things

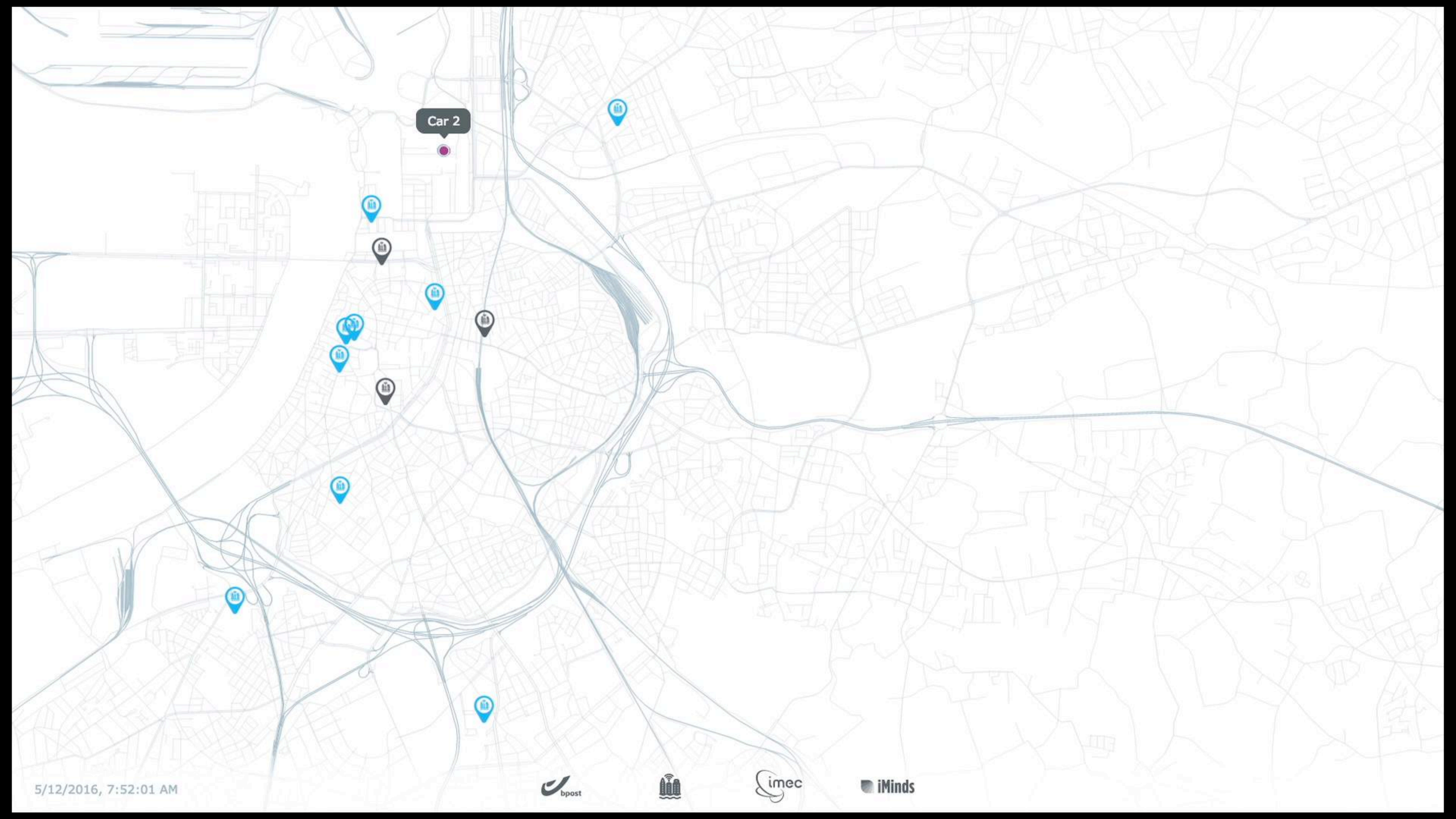
- IoT reference living lab and technology lab in Europe
- for international and local stakeholders
- to create, test and validate IoT services, applications and technologies
- in a large scale, real life and real time smart city environment

GATEWAYS



AIR QUALITY MONITORING



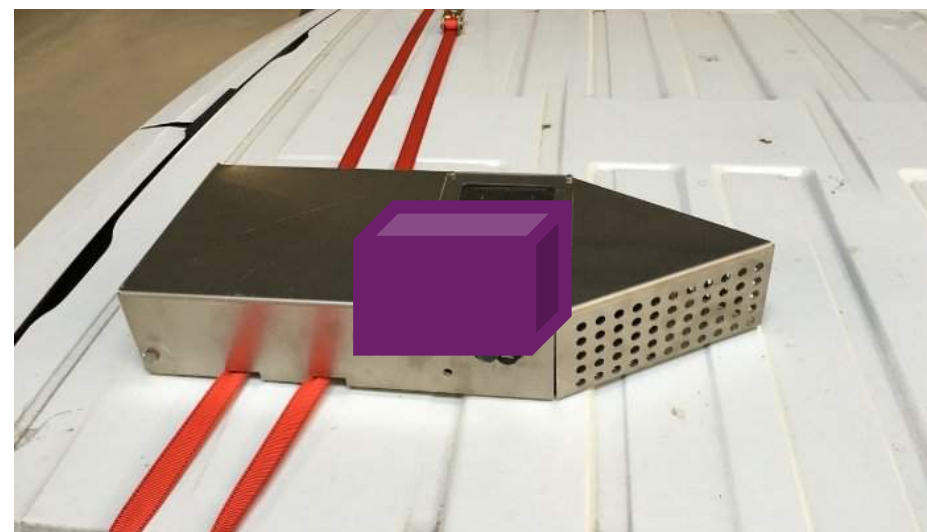
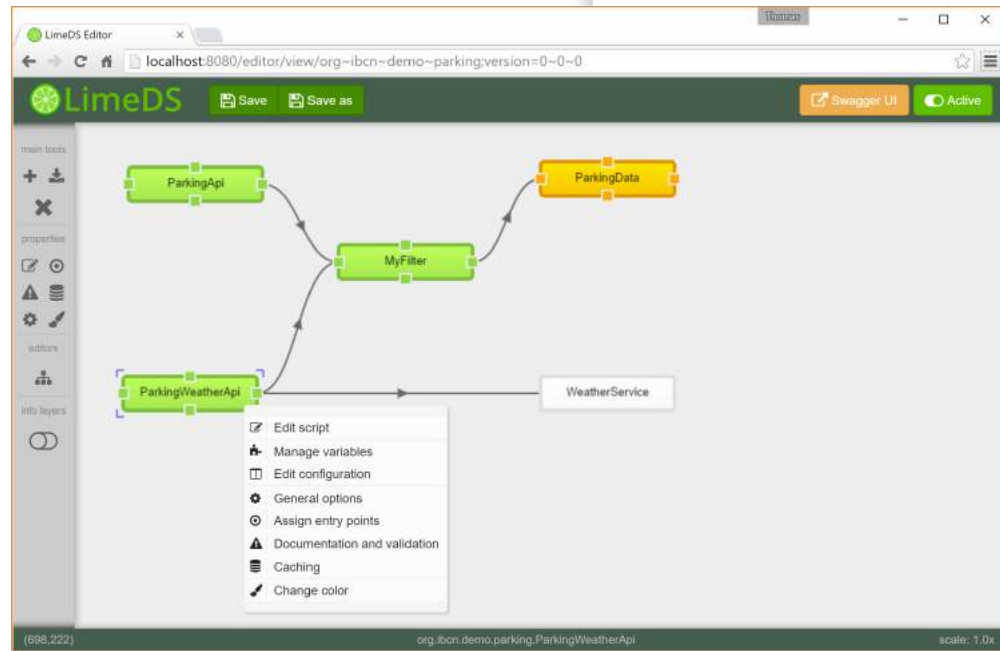
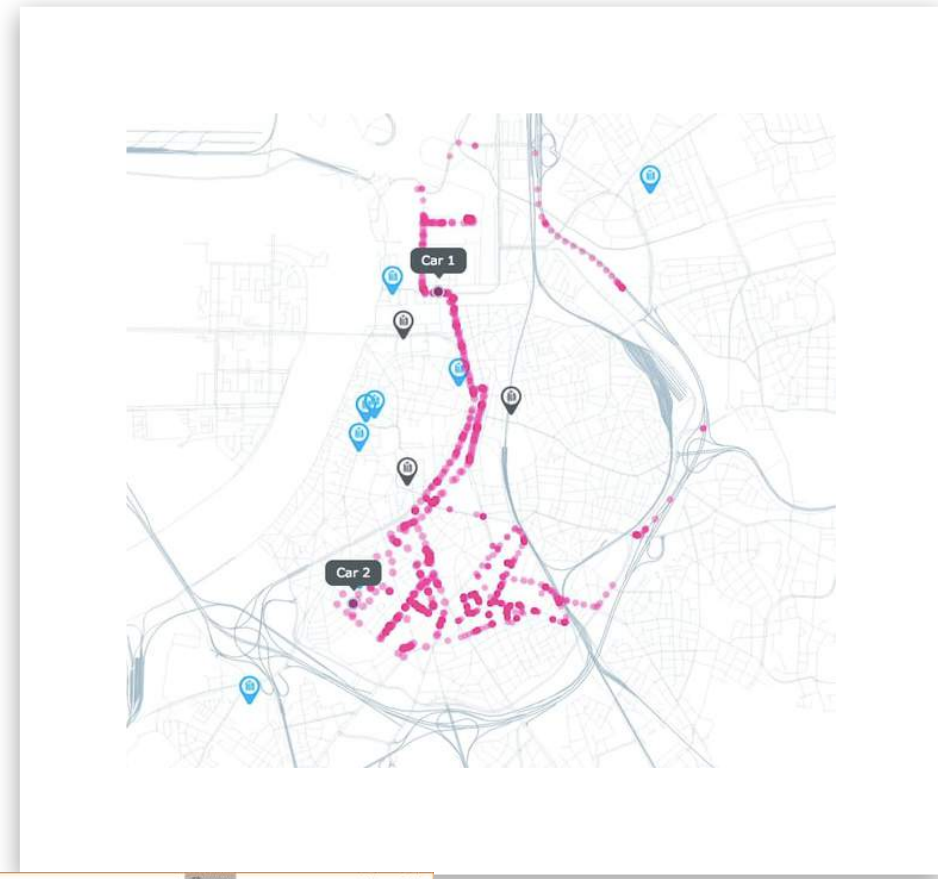


Car 2

5/12/2016, 7:52:01 AM



LAYERS



Users, applications & business

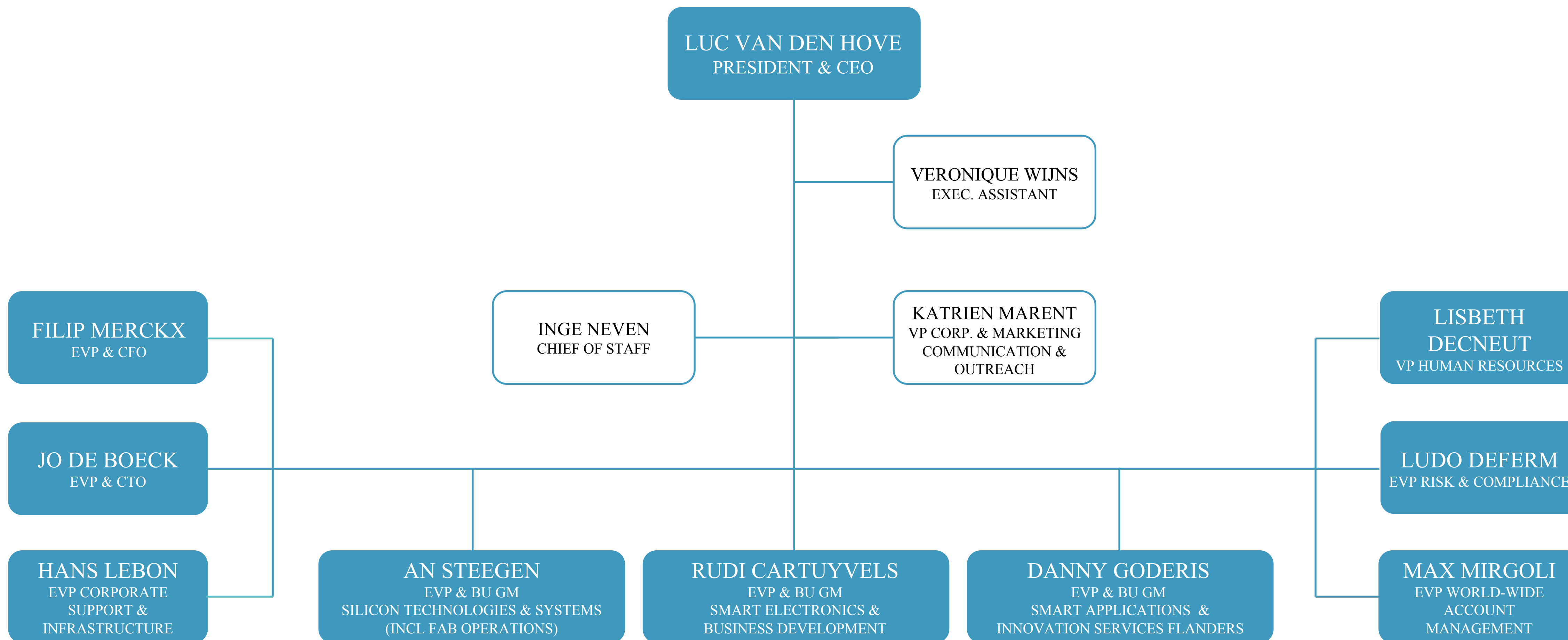
Data processing and analytics

Network

Hardware

 Privacy, security

Management interface



EXECUTIVE
BOARD





mtec

embracing a better life