

**TAMPERE.**  
FINLAND



# IMAGING TAMPERE

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Oliver Hussey, Business Tampere



# Tampere's Heritage: Smartphone pioneers





# Microsoft mobile closes 2016



Microsoft



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# Smartphone technology to many industries

INTELLIGENT MACHINES  
& MANU-FACTURING

ICT PRODUCT BUILDING

AUTO-MOTIVE

CLEANTECH, BIO-  
& CIRCULAR  
ECONOMY

HEALTH TECH

CONNECTIVITY / IoT

IMAGING

NANOTECHNOLOGY / PHOTONICS

DATA SCIENCE (AI & ANALYTICS)

MOBILITY

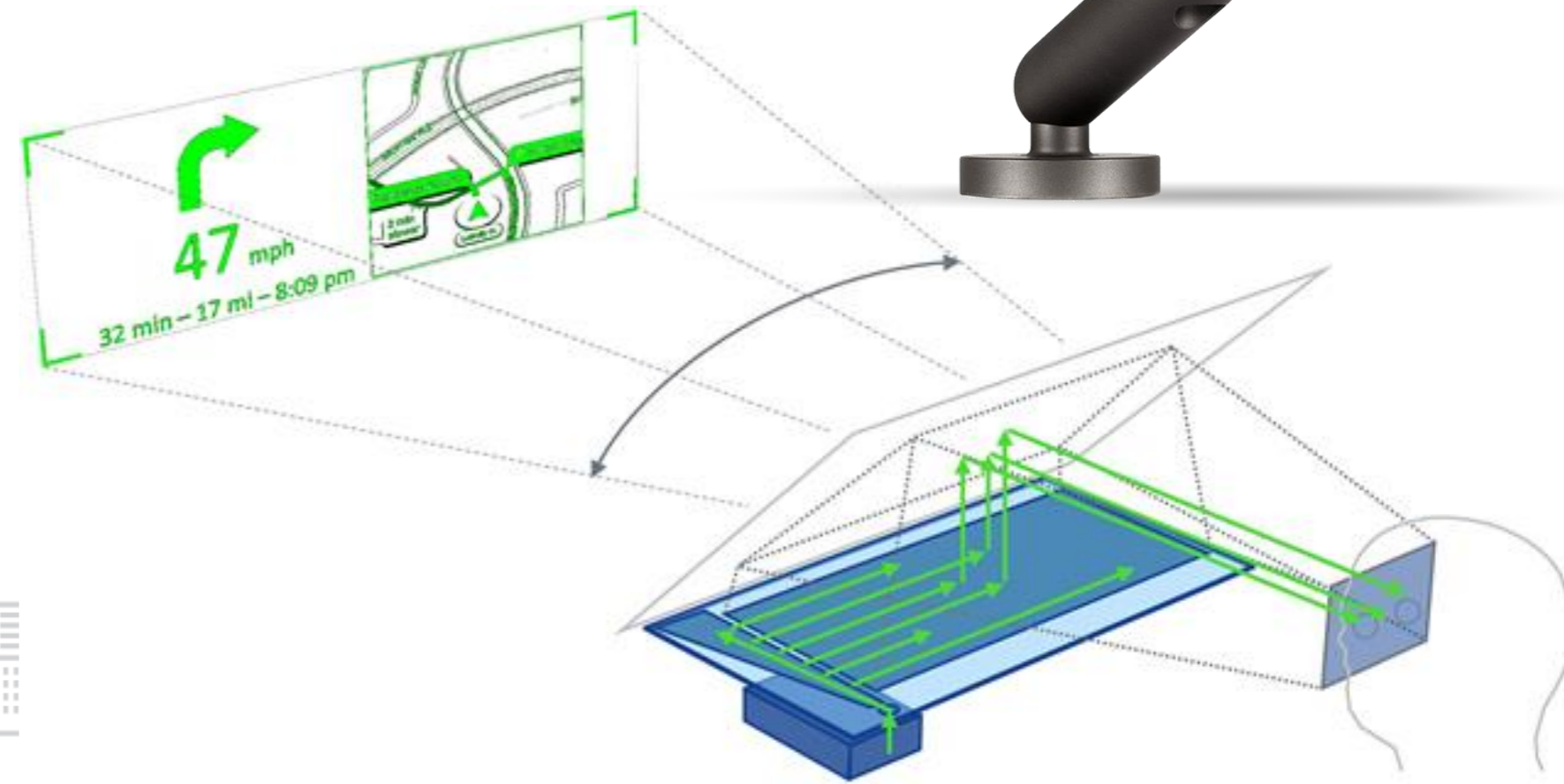
SECURITY

ICT



# Innovations in Imaging

- 2012 41-megapixel camera phone (Nokia 808)
- 2015 Nokia OZO 360° virtual reality camera
- Military grade FM-lidar for night vision applications
- Next gen. cameras from Microsoft, Huawei, Xiaomi, Microsoft ..
- AR/VR R&D at Nokia Bell Labs
- Augmented reality heads up display for car





# Tampere Imaging Ecosystem

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One of the top imaging hubs in the world

## MACHINE AND DEVICE R&D



## COMPONENT R&D



## HEALTH



## MANUFACTURING APPLICATIONS



## SW DEVELOPMENT & TESTING

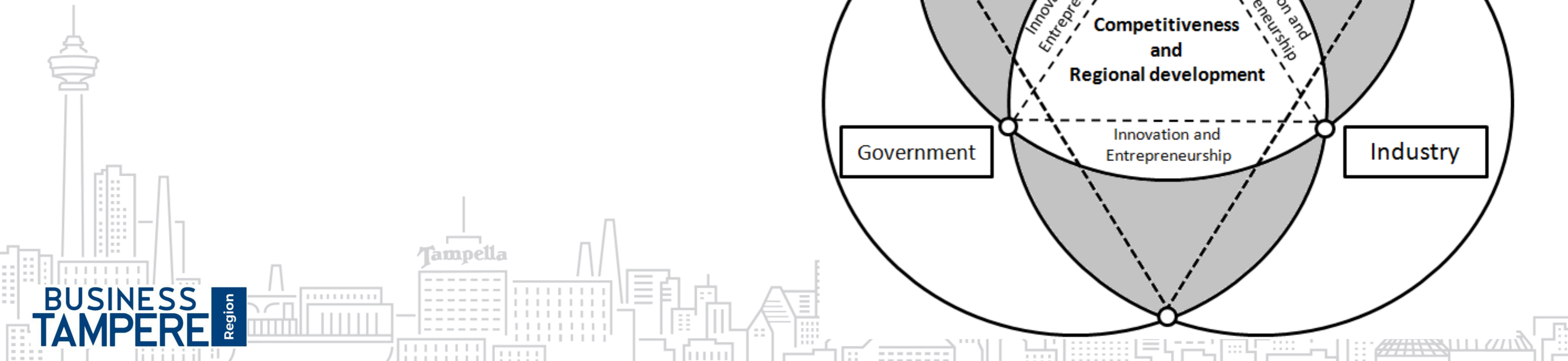
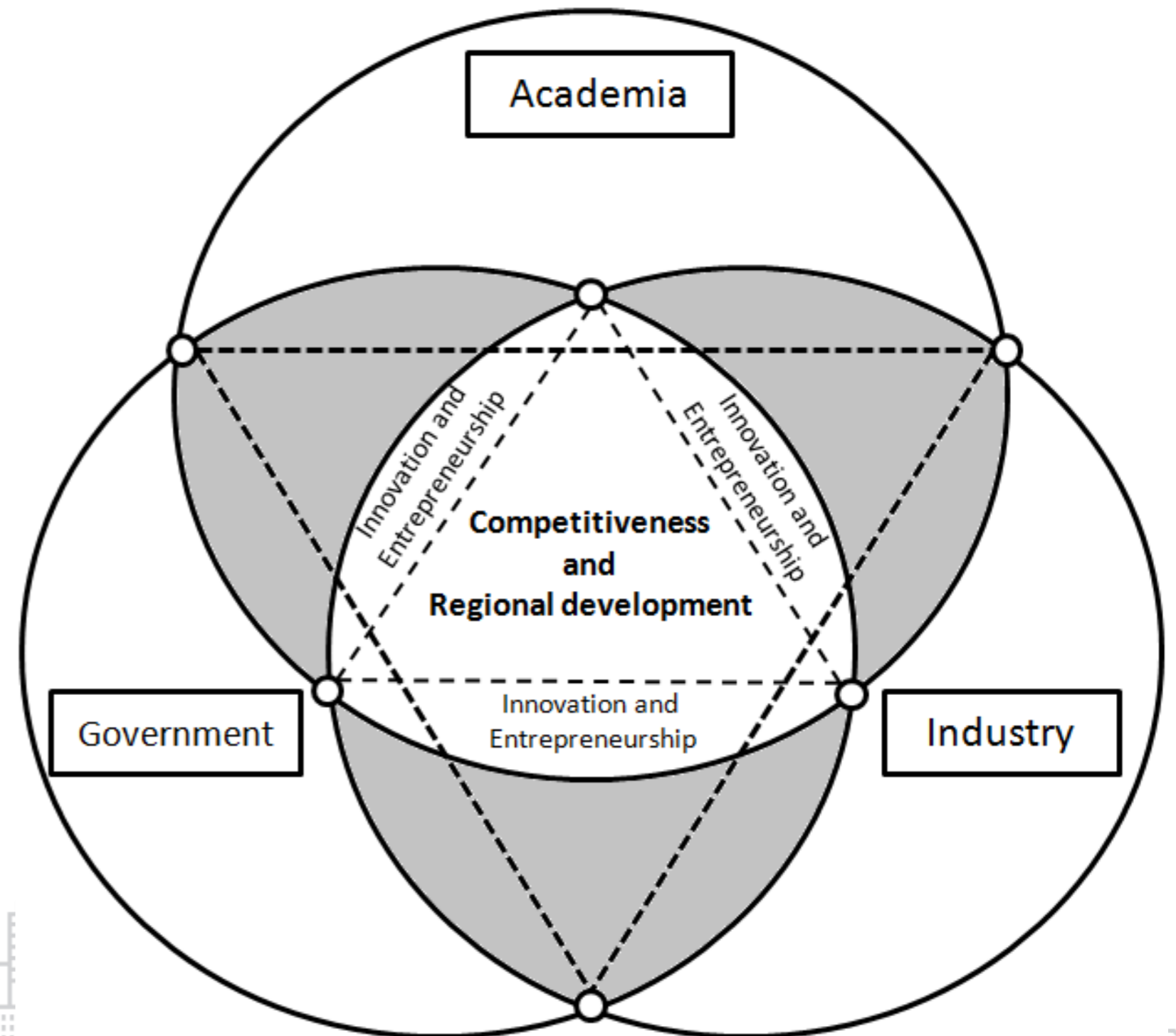


BUSINESS  
TAMPERE



# Triple helix model of innovation

“A set of interactions between academia, industry and government, to foster economic and social development, as described in concepts such as the knowledge economy.”



# Tampere Imaging Ecosystem

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Nokia and Microsoft Mobile heritage

Community of companies + researchers developing imaging technologies, and those utilising across a wide range of applications

13 new foreign R&D sites in last 6 years, home-grown start-ups

Growing company list and talent pool

Top imaging hub in the world



<https://www.youtube.com/watch?v=ekJjgQCBpHs>



# Activities

Networking events, international audience in Tampere e.g. VCX conference, 2019

Facilitate multi-party PoC and Ecosystem development projects

International partner matchmaking

Stimulate research collaboration between businesses and university

Facilitate Business to education discussions





amazon

NomiCam



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AI performance Oy



SONY

SENOP

IMINT  
IMAGE INTELLIGENCE

JOHN DEERE

AAC TECHNOLOGIES

MI Xiaomi



BHTC



GRUNDIUM



NOISELESS IMAGING



NOKIA Bell Labs



ELIGO  
STUDIO



intel



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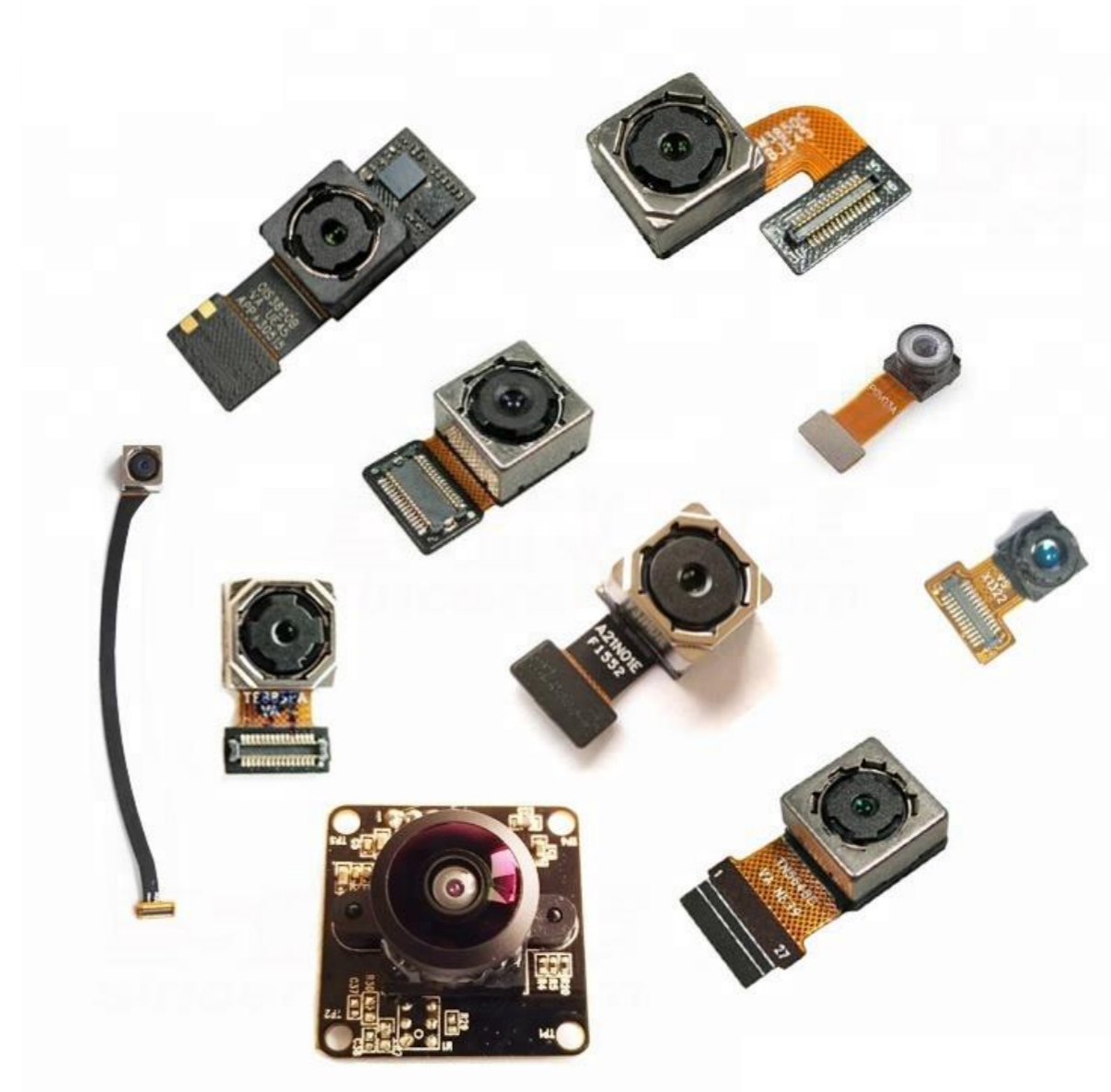


# Camera Module entity

Prototype / Demo module production

Services for Ecosystem members

This project is under development





# IMAGING TAMPERE

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# Business Tampere Team at Your Service!

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