



FUTURE IS MADE IN FINLAND

5G, AI, ROBOTICS AND PLATFORM ECONOMY BUILDING BLOCKS OF NEW EUROPEAN COMPETITIVENESS

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The exponential growth of computing is a marvelous quantitative example of the exponentially growing returns from an evolutionary process. We can express the exponential growth of computing in terms of its accelerating pace: it took 90 years to achieve the first MIPS per 1000 dollars; now we add 1.2 MIPS per 1000 dollars every hour. *Logarithmic Plot*



**ALL YOU NEED IS
CRISIS**

AI

AR/VR

**100X
BIG DATA**

5G/6G

BLOCKCHAIN

IoT

**BUSINESS
FINLAND**

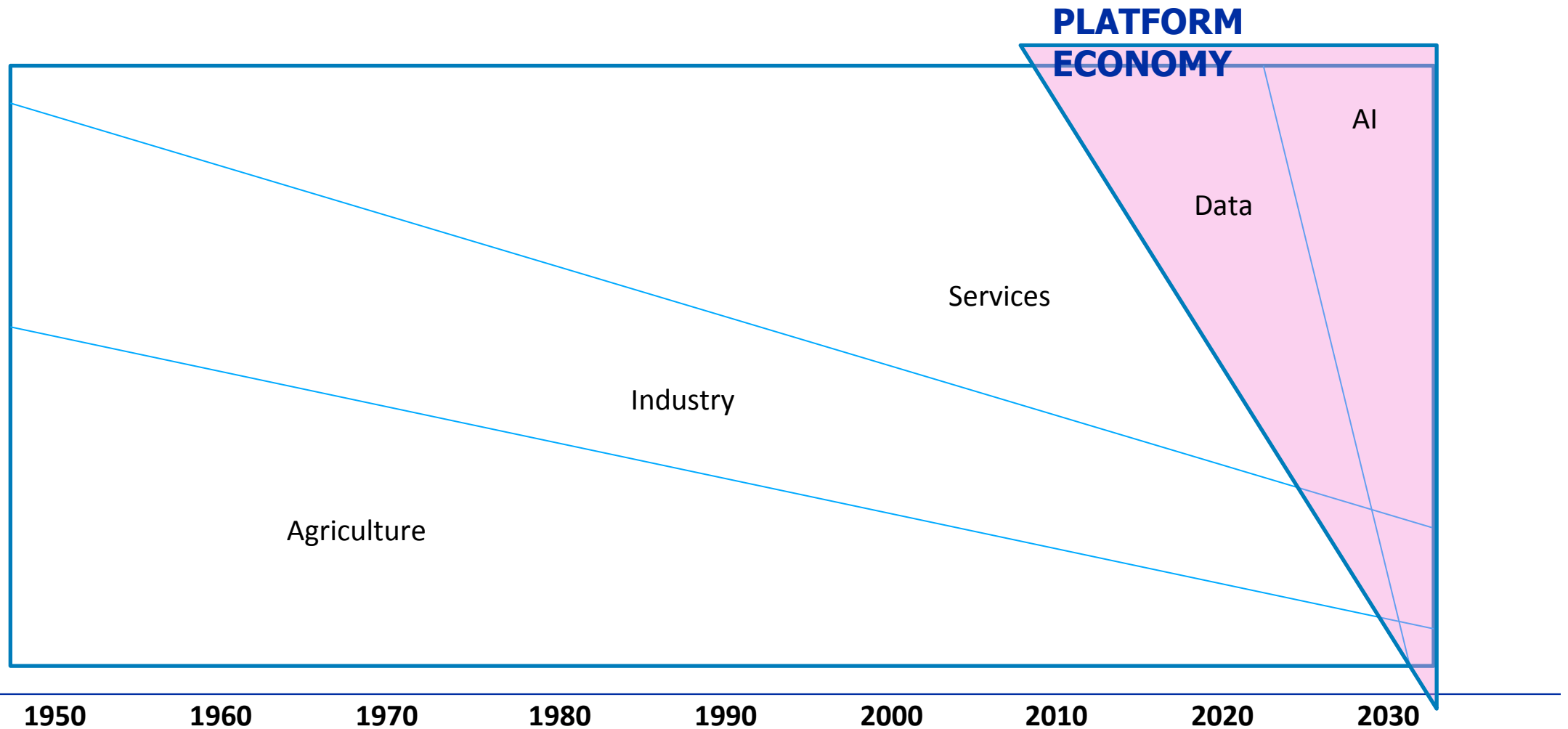
DIGITAL TRANSFORMATION

"We estimate that digitalization could deliver around \$100 trillion USD in value to business and society over the next decade."

WORLD ECONOMIC FORUM

DIGITAL TRANSFORMATION INITIATIVE MAY 2018

The changing structure of the Finnish national economy



DIGITAL INFRA-STR UCTURE IS THE NEW CRITICAL INFRA-STR UCTURE

Automation
robotics

Electricity
grid

Water
supply

Smart
homes

Smart clothing

Smart health care

Entertainment

Traffic systems

Intelligent
Traffic

Transport of
people and goods

Safety and surveillance

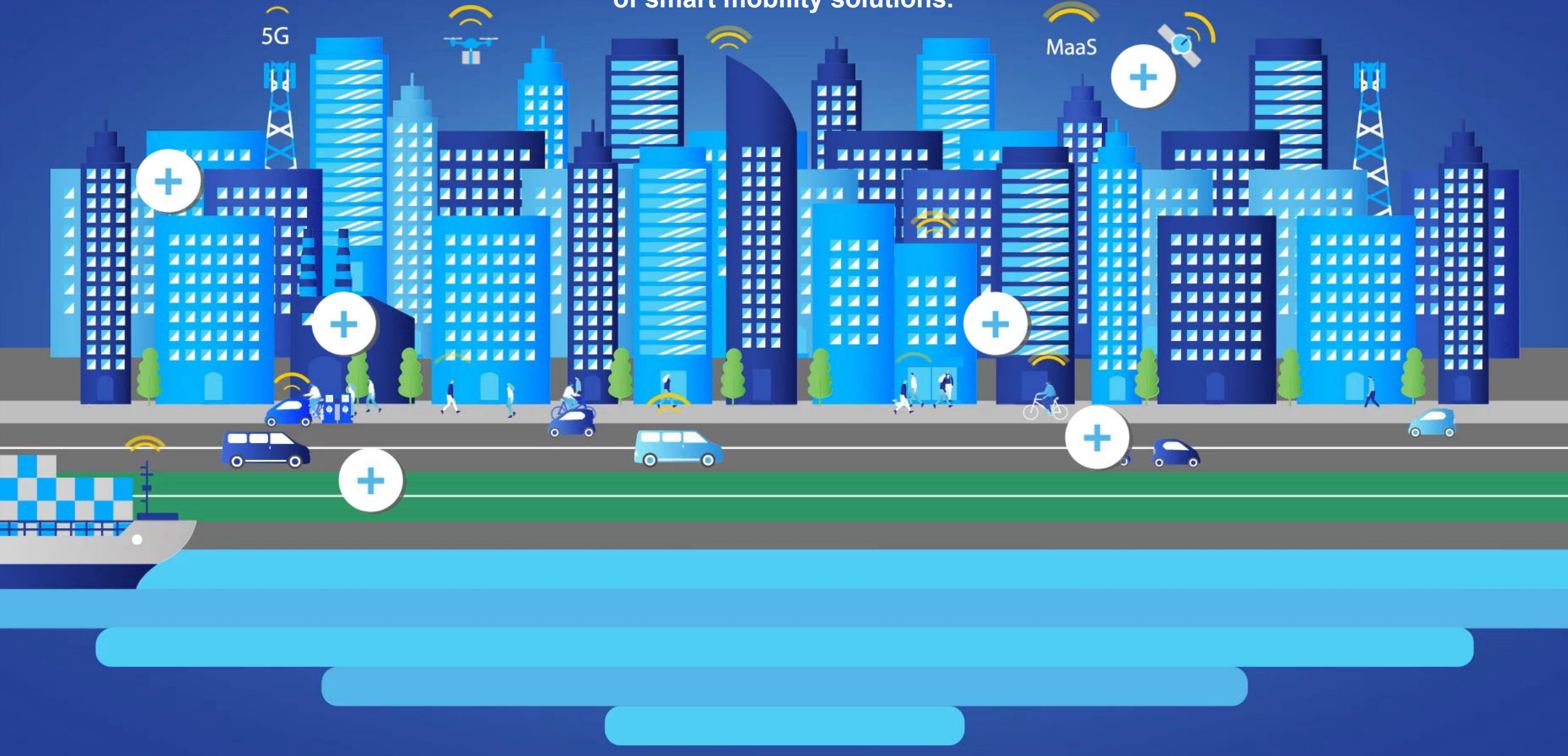
Satellites



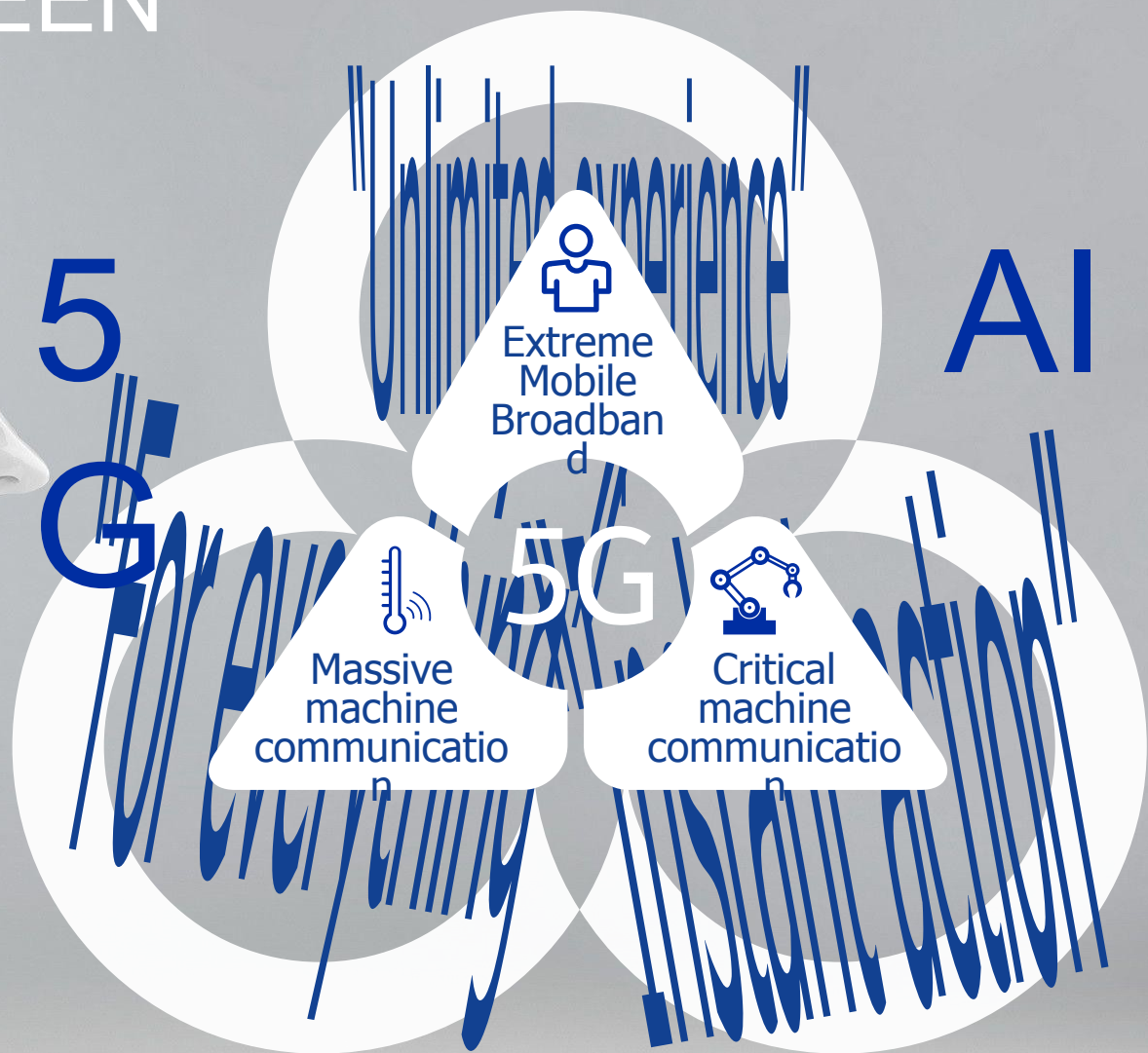
EVERYTHING IS CONNECTED IN FINLAND

From traffic lights to drones, infrastructure and transportation form a seamless network of smart mobility solutions.

FINLAND

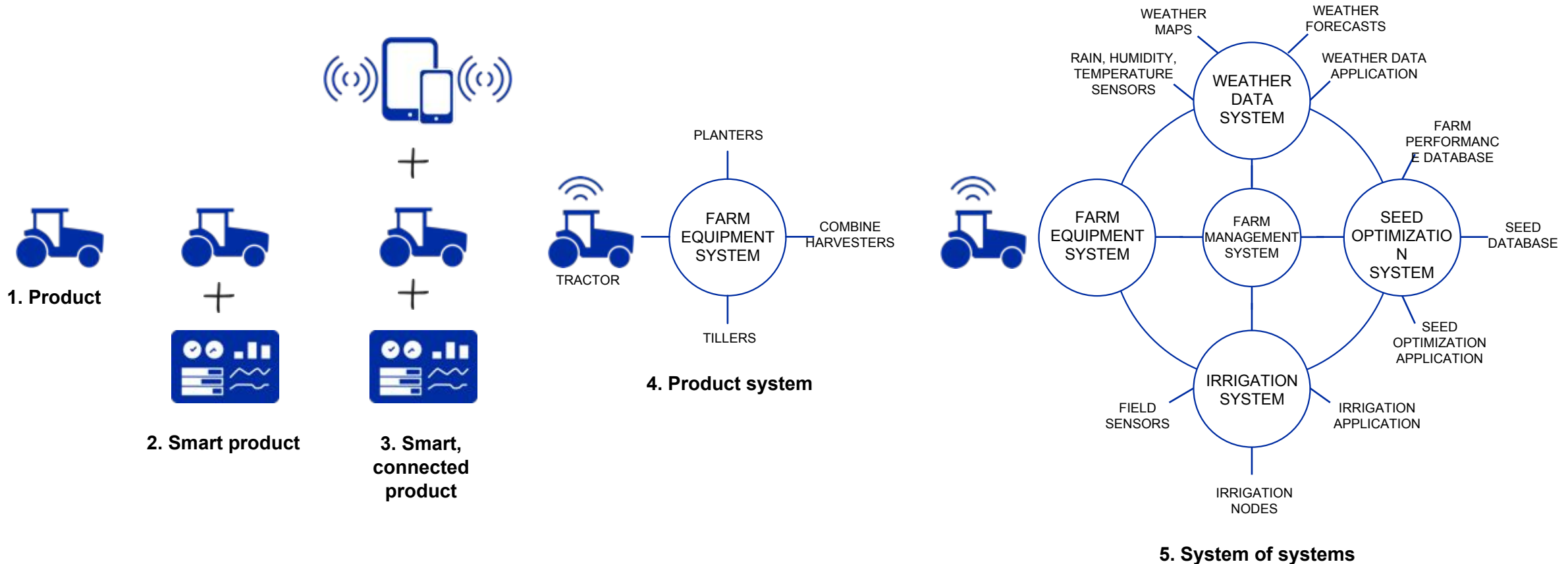


INTRODUCING PRODUCTIVITY TO LEVELS UNSEEN

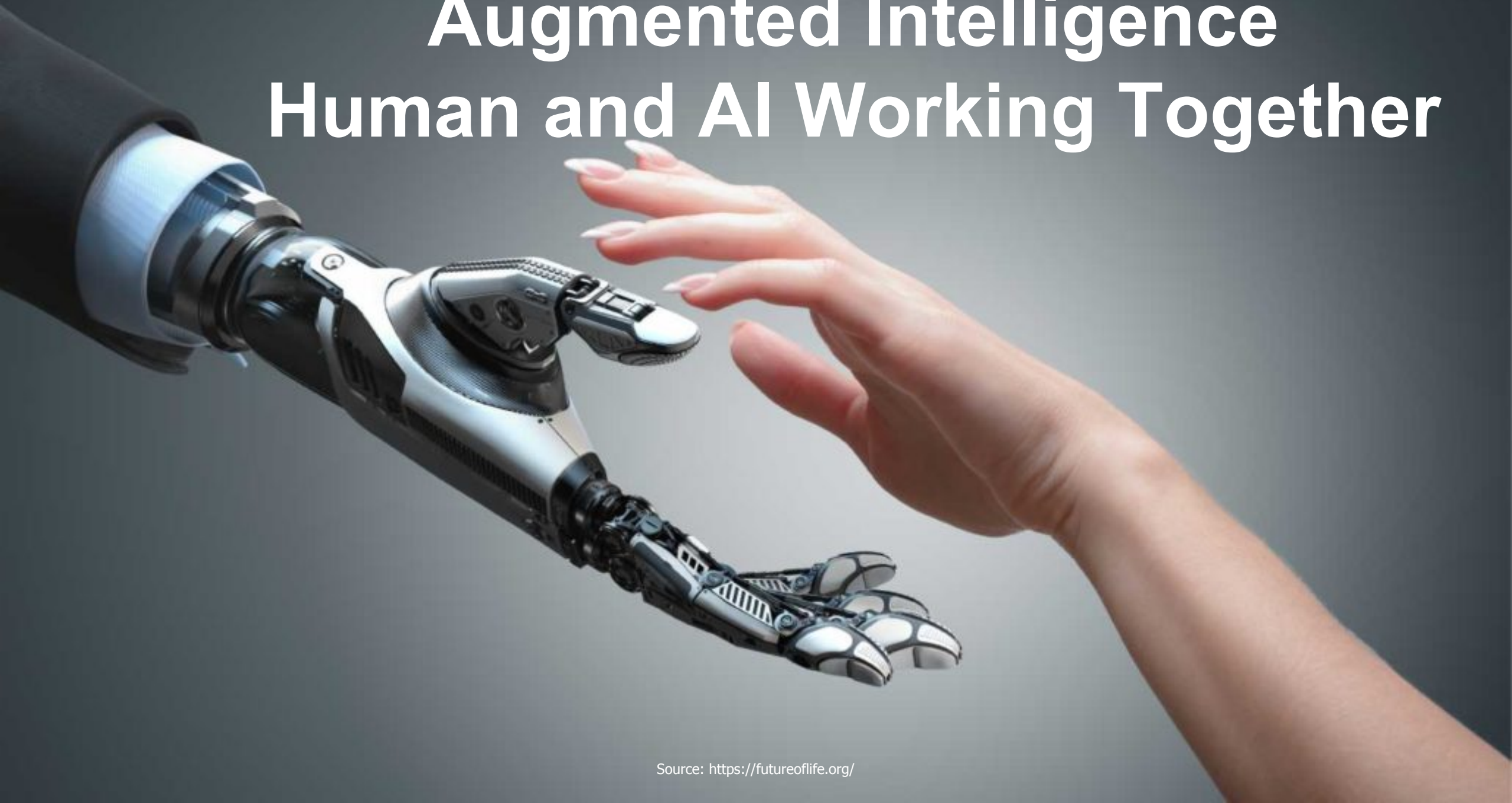


ROBOTI

Redefining Industry Boundaries; Systems of Systems



Augmented Intelligence Human and AI Working Together





**Manufacturing now
and in the Future**

FACTS: FINLAND

FINLAND

#1

**MOST INNOVATIVE
COUNTRIES****

#1

**IN AVAILABILITY OF
SCIENTISTS &
ENGINEERS***

#1

**TRUSTED
NATION**

#1

**IN AVAILABILITY
OF LATEST
TECHNOLOGIES***

#2

**HIGHER EDUCATION
AND TRAINING***

#2

**POTENTIAL IN AI
UTILIZATION****

**World Economic Forum Global Competitiveness Report 2017-2018 / **The Consumer Technology Association (CTA)™ 2018*

*** Accenture*