FUTURE IS MADE IN FINLAND

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

PEKKA SIVONEN
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DIGITAL TRANSFORMATION
OF FINNISH INDUSTRIES
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
“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

- Agriculture
- Industry
- Services
- Data
- AI
DIGITAL INFRA-STRUCTURE IS THE NEW CRITICAL INFRA-STRUCTURE
EVERYTHING IS CONNECTED IN FINLAND
From traffic lights to drones, infrastructure and transportation form a seamless network of smart mobility solutions.
INTRODUCING PRODUCTIVITY TO LEVELS UNSEEN

Massive machine communication

Extreme mobile broadband

Critical machine communication

5G AI

ROBOTICS

Ultimate intelligence

5G

UNSEEN

INTRODUCING PRODUCTIVITY TO LEVELS
Recent studies estimate that digitisation of products and services can add more than EUR 110 billion of annual revenue to the European economy in the next five years.
Augmented Intelligence
Human and AI Working Together

Source: https://futureoflife.org/
Manufacturing now and in the Future
FACTS: 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**