Hämeen ammattikorkeakoulu HAMK Smart-tutkimusyksikkö

"Kiertotalouteen datan avulla"





1st Industrial Revolution 18thCentury

Steam-based Machines



2nd Industrial Revolution 19th~20th Century

Electrical
Energy-based
Mass Production

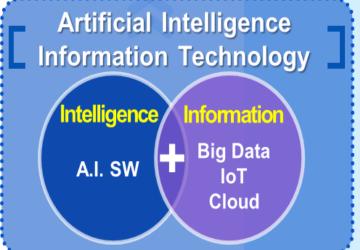


3rd Industrial Revolution

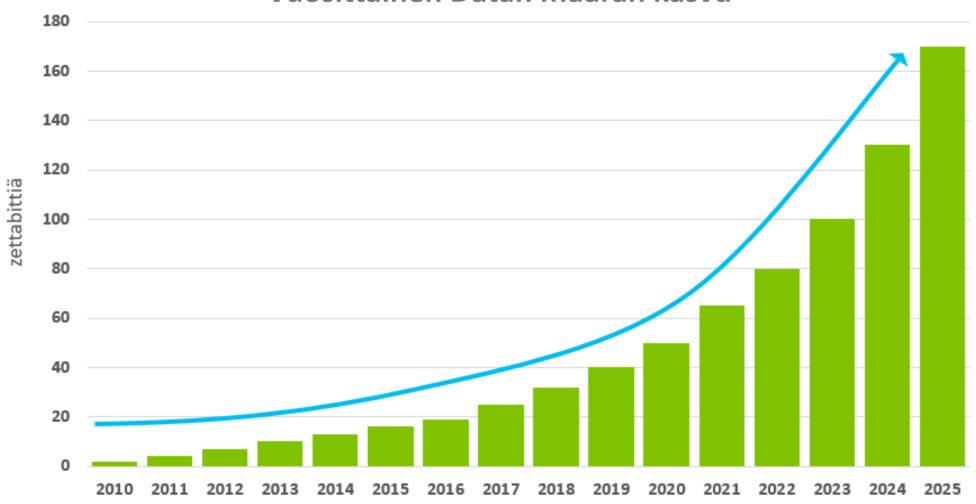
(1st Information Revolution) Late 20th Century

Computer and Internet-based Knowledge

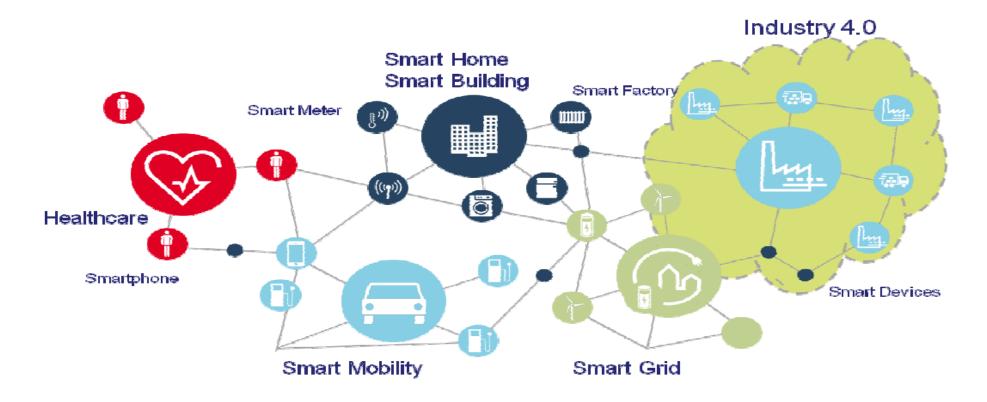




Vuosittainen Datan määrän kasvu



Internet of Things and Services





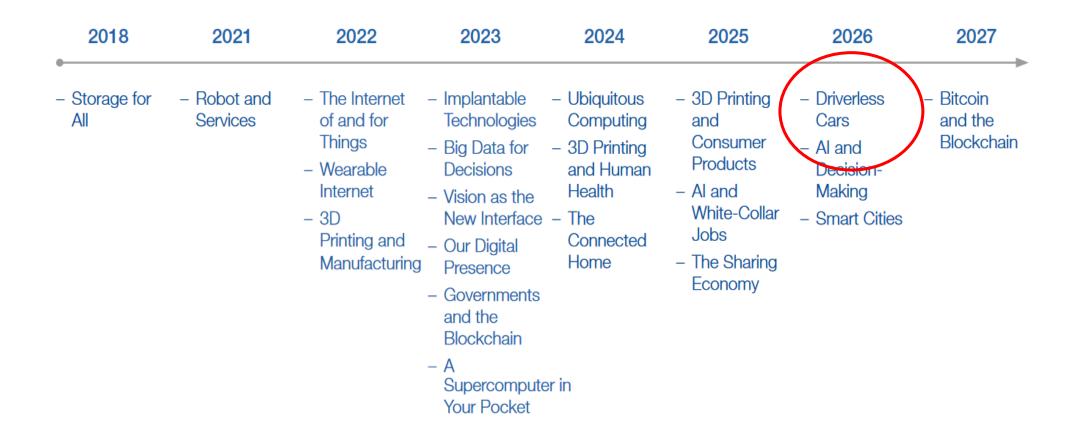


Figure. Average year each tipping point (shift) would occur at some point in time the year (World Economic Forum, Technology Tipping points and Societal Impact (2015))



Reskilling needs

of current workers' core skills are expected to change in the next 5 years.

Source: Future of Jobs Report 2020, World Economic Forum.