

TECHNOLOGY IMPACT ON ECONOMY AND SOCIETY

ACCENTURE AT VERONA FORUM

VARTAN DILANIAN,
COUNTRY MANAGING DIRECTOR, ACCENTURE RUSSIA

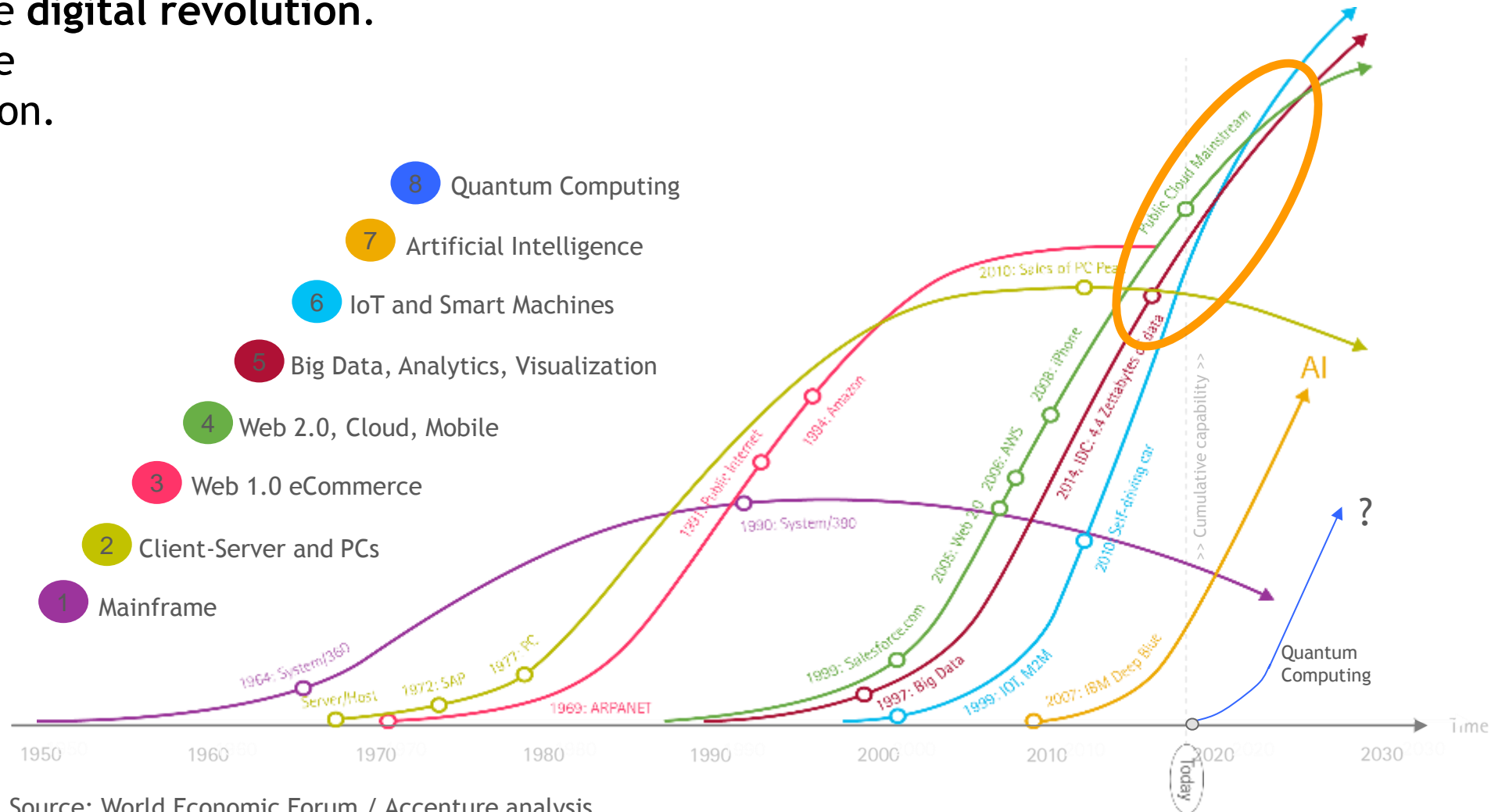
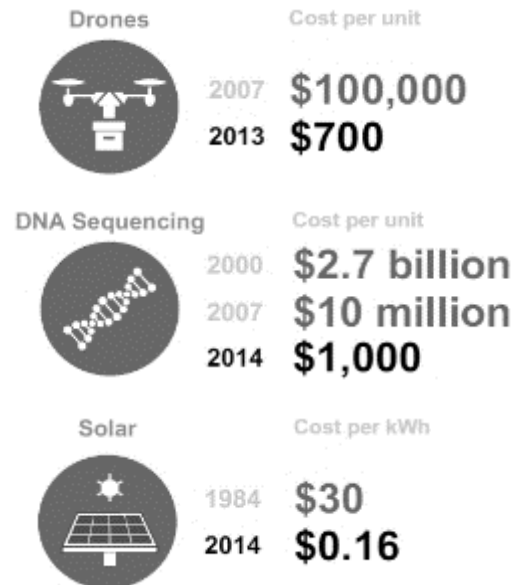
26 OCTOBER 2018



THE COMBINATORIAL EFFECTS OF TECHNOLOGY ARE ACCELERATING CHANGE

More advanced and cheaper technologies is a key characteristic of the **digital revolution**. It is playing a major role in accelerating innovation.

Examples of falling cost of key technologies



DIGITAL AND CYBERPHYSICAL TECHNOLOGIES ARE TRANSFORMING THE INDUSTRIES



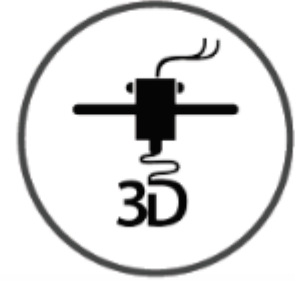
Artificial intelligence



Autonomous vehicles



Big data analytics and cloud



Custom manufacturing and 3D printing



Internet of Things (IoT) and connected devices



Robots and drones



Social media and platforms

WHAT IS THE IMPACT?

CONSUMER INDUSTRIES WILL CHANGE MORE IN THE **NEXT 10 YEARS** THAN THEY HAVE IN THE **LAST 40**.



JOB ROLES WILL BE **REDEFINED**.

65% of children will work in a job that does not yet exist, illustrating the need for an adaptive workforce and continuous learning

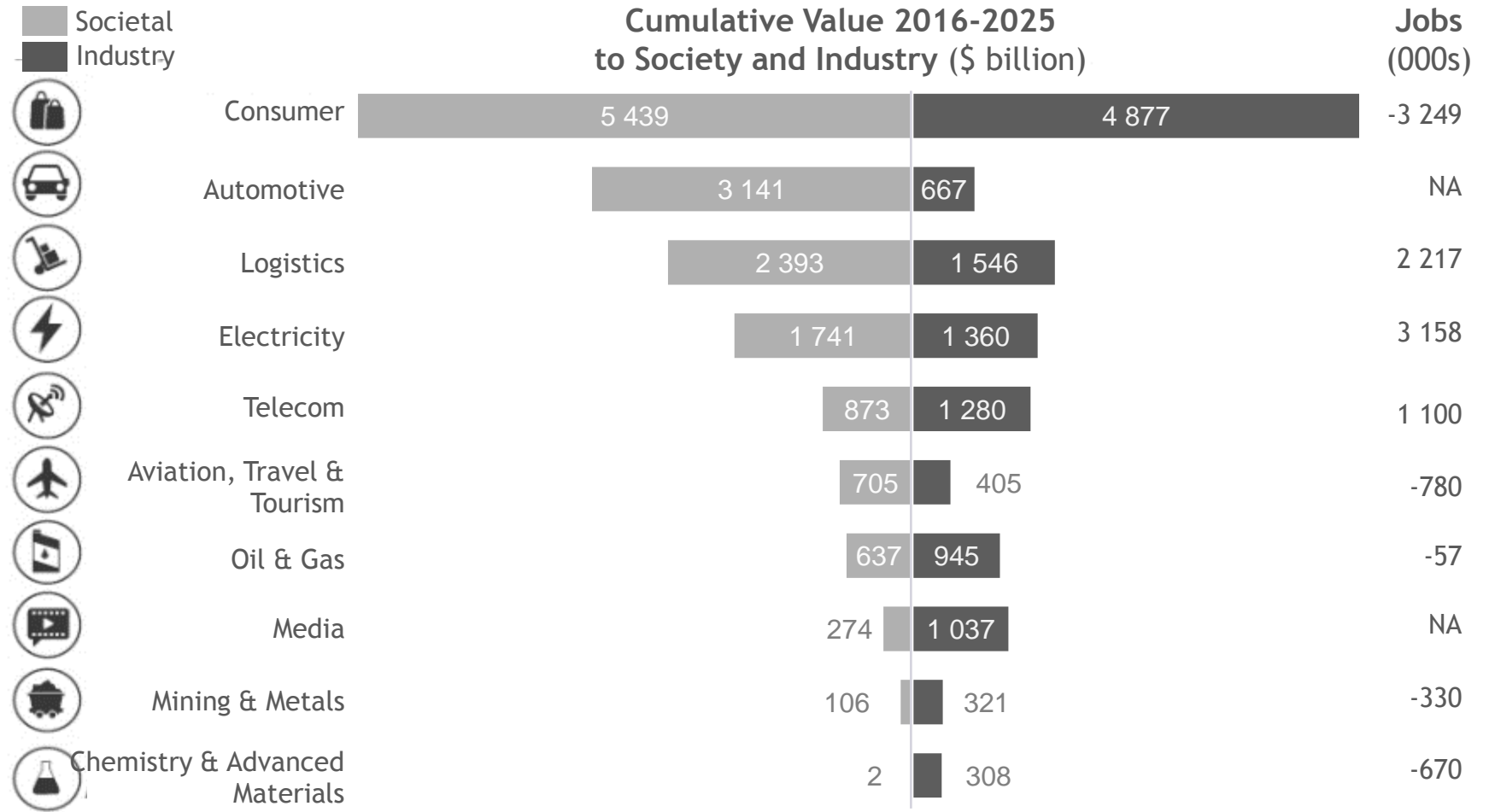
HOW CAN THIS DIGITAL REVOLUTION **BENEFIT THE ECONOMY AND SOCIETY?**

\$100 trillion at stake of cumulative value for Industry and Society to 2025 can be unlocked across all industries through Digital Transformation Initiatives

(The estimation is based on assessment of cumulative impact (over 2016-2025) of 130+ initiatives across the industries. Societal value includes impact on customers, society and the environment)



THE POTENTIAL IMPACT OF DIGITAL INITIATIVES BY INDUSTRY



Source: World Economic Forum / Accenture analysis
To find more about the DTI project, visit <http://reports.weforum.org/digital-transformation>

POTENTIAL OF ARTIFICIAL INTELLIGENCE FOR ECONOMY AND HUMANS

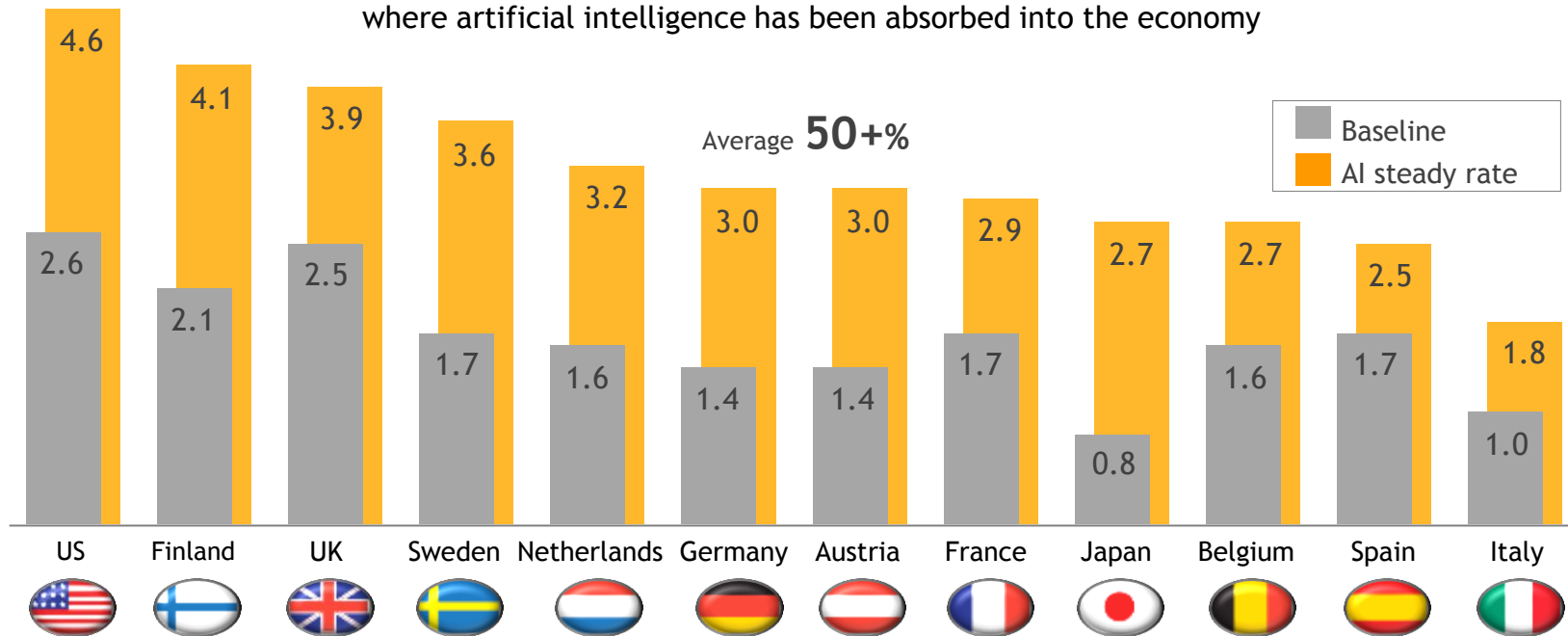
1 NEW JOBS DRIVEN BY AI
~15 new specialized jobs introduced by Robotic process automation and Artificial intelligence

2 REPLACEMENT OF JOBS BY AI
9.1M loss of jobs in US due to automation by 2025

3 RESKILLING AND RETRAINING
43% increase in FTEs able to focus on customer outcomes

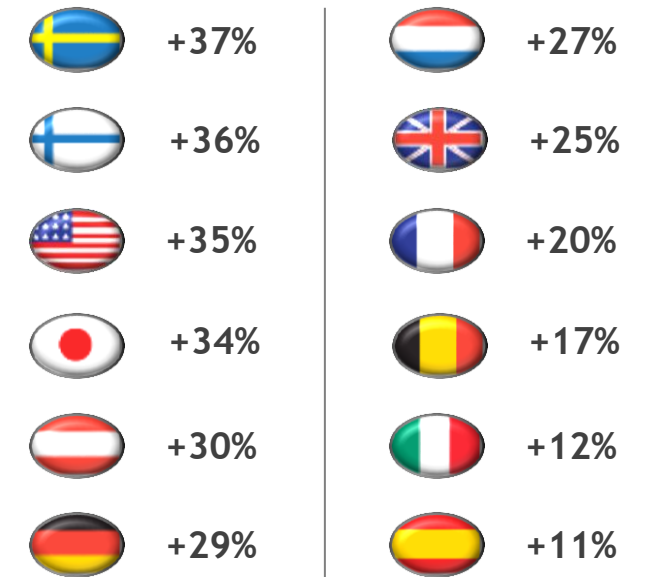
IMPACT OF AI ON GDP GROWTH BY 2035

Annual GDP growth rates in 2035 in baseline growth scenario comparing to AI scenario where artificial intelligence has been absorbed into the economy

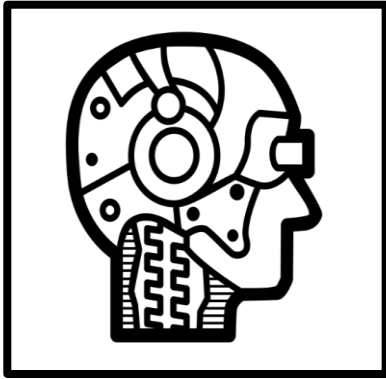


LABOR PRODUCTIVITY INCREASE WITH AI

% increase in 2035



WHAT SHOULD ORGANIZATIONS DO NOW?



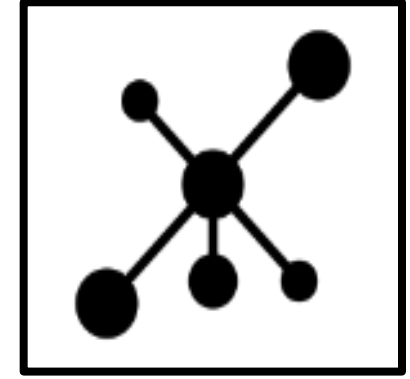
MAKE DATA PART OF YOUR DNA

Technologies such as Artificial Intelligence can **double economic growth rates** and **boost productivity by 40%**.



RESKILL YOUR WORKFORCE

With retraining being **63% more cost effective** than recruiting, incumbents should **develop new critical capabilities from within**.



CAPTURE VALUE THROUGH ECOSYSTEMS

\$10T Potential economic opportunity from increased collaboration between large and small companies

THANK YOU

