
Realization of “Society5.0”

Society5.0: Aiming for a New Human-centered Society

25 May 2018

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1 Era of Uncertainty

Increased global connection of stakeholders with the rapid evolution of ICT
Rapidly increasing complexity of societal issues in this era of uncertainty

20th century

21th century

Era of predictability

Era of uncertainty

Science and Technology

Social Science

Mass production

System

Things and economic values

Ideas, service and social values

ICT
/AI

Streamlining &

Labor saving

measures



Business creation

Social structure

2 Achieving a sustainable world

SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

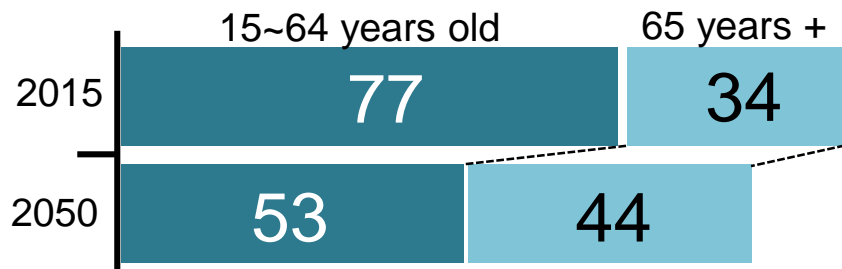


3 Societal challenges facing Japan

An Advanced Country with Advanced Issues
Japan can contribute to resolving similar challenges worldwide

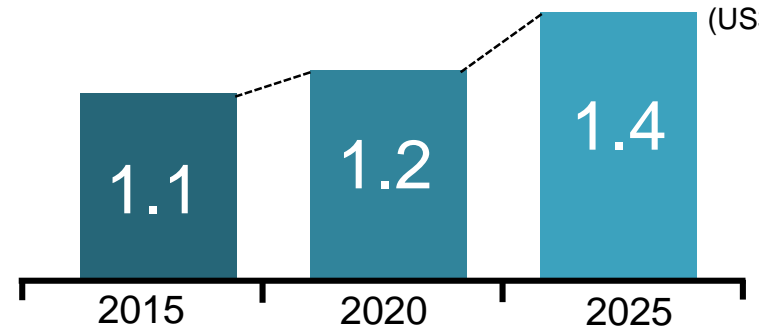
Shrinking labor force

(million)



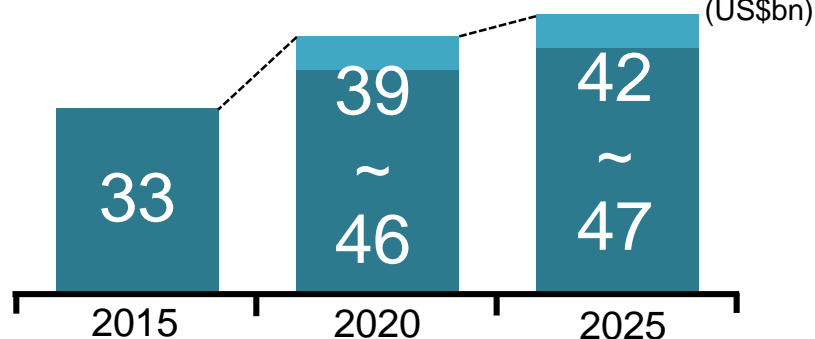
Rising social security costs

(US\$tn)



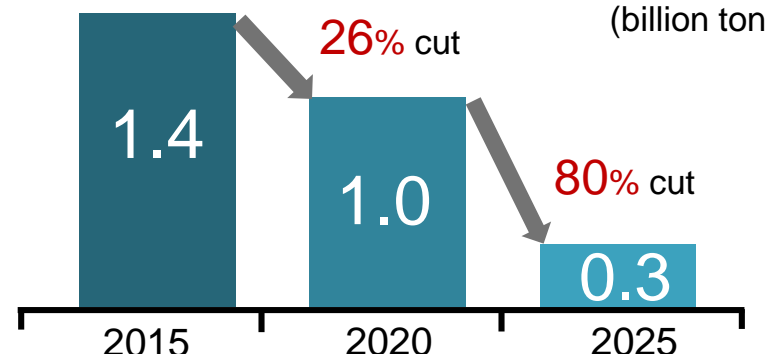
Rising infrastructure costs

(US\$bn)



Decreasing CO₂ emissions

(billion tons)



A sustainable and human centered society where everyone can live a life with vitality and in comfort

Society 5.0

**Healthcare·Medical·
Nursing care**

Extension of healthy life expectancy, improvement of patients' QoL

Mobility

Keeping a lifestyle in a familiar region, and resolving the shortage of drivers

Production

Reduction of a waste in supply chain

**Infrastructures,
Urban development**

Development of safe and secure cities withstanding disasters

Finance

Reduction of financial process costs, and improvement of a convenience in payments

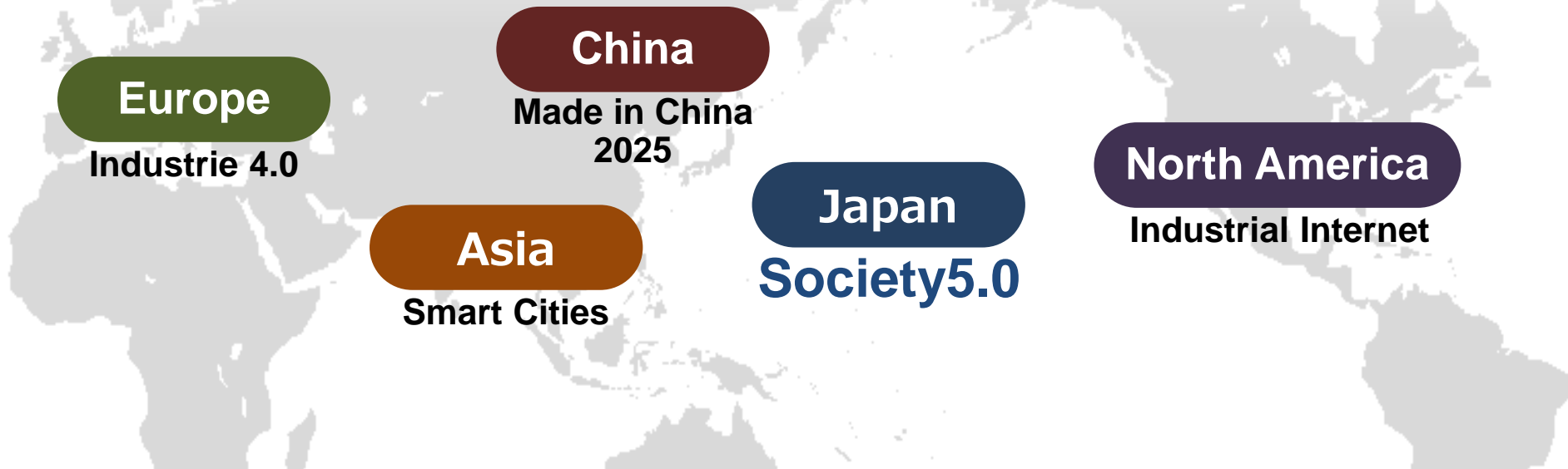
Society 5.0 means to create an advanced society, which will happen after many development stages of human society, from a hunter-gathering, settled agriculture, industrialization to today's information society.

Reference : 5th Science and Technology Basic Plan Report, Council of Science, Technology and Innovation. Cabinet Office, Government of Japan.

<http://www8.cao.go.jp/cstp/english/index.html>

5 The evolution of digital transformation

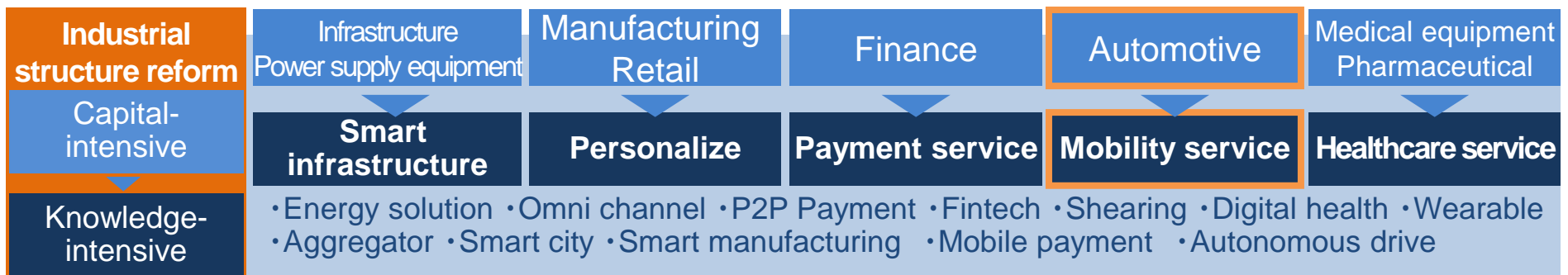
The digitalization of industrial and social infrastructures is accelerating throughout the world
Digital Transformation becomes a pillar of industrial policy



IoT Artificial intelligence Robotics Bigdata Blockchain

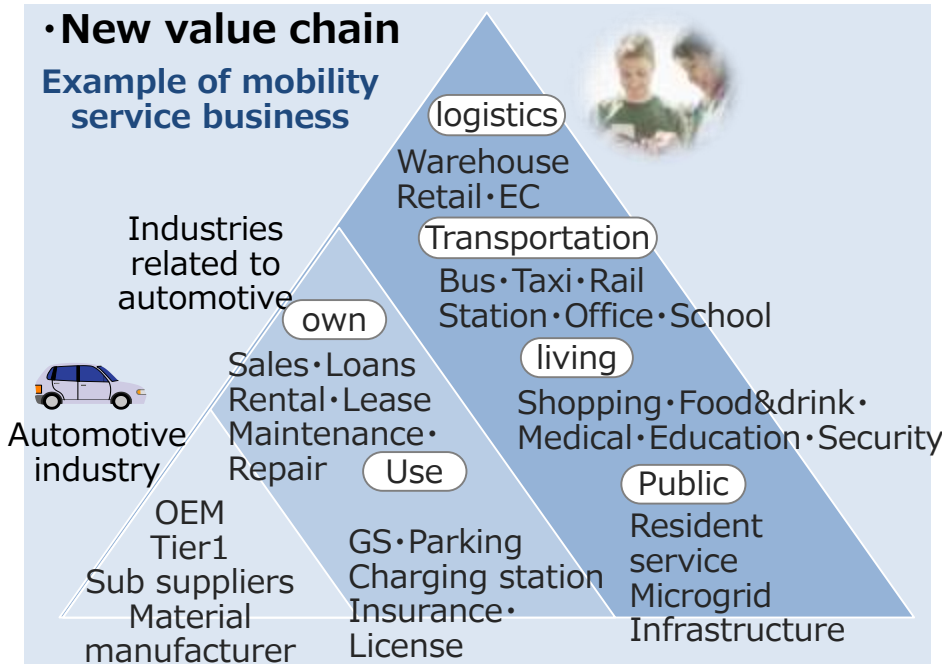
6 What is happening : Industrial structure reform

Structural reform from conventional systems in all industries



•New value chain

Example of mobility service business



•Direction of change



7 What is happening : Positive and negative effects **HITACHI** Inspire the Next

value creation

New business creation

Comfortable

human centered society

New service

Efficiency

**Drastic change in
conventional
industry structure**

Cybersecurity

Inequality

Unemployment

Data ownership

Privacy

8 Human centric innovation : Invigorating the workplace: Raising organization happiness level & productivity

From Hitachi's case

AI automatically generates effective advice that can raise the “happiness level” of employees, using data obtained from wearable sensors

I want to enjoy my work

An application to deliver advice & visualize “happiness” level



Benefit confirmed in field test with approx. 600 participants from 26 Hitachi Group sales & marketing departments

Labor market

- Unemployment rate 2.8%
- Labor market participation rate 76 %
- Supply-demand mismatching in employment
- Shortage of IT personnel 37 million (2020) 79million (2030)

Depopulation Ageing society

- The number of people aged 15 to 64 shrink by 4.2 %
(2015 - 2020)

Half of the children born 10 years ago will live to 107 years old.
Revolution in human resources development towards the 100-year life era is a vital part of the society in which all citizens are **dynamically engaged**, and such society can't be built without the human resources development revolution.



<https://www.kantei.go.jp/jp/headline/ichiokusoukatsuyaku/jinsei100.html>

**A Revolution in Human Resource Development
Council for Designing 100-year society(Sep. 2017~)**

Council for Designing 100-year society(Sep. 2017~)

Reform for education

- **Education opportunity open to all people**
Reducing burden of education, Free education
- **Higher education**
Higher education reform for recurrent education
- **Diversification of hiring**
Employment of the elderly
- **Social security**
From focusing on the elderly to social security for all generations

Infrastructure development

● **Recurrent education**

- Re-education
- E-learning
- Skill certification system
- Education and training benefits

- **New Economic Policy Package Chapter 2(2017)**
- **Leasing policy package (2018)**

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Inspire the Next 