

EU Industry Week 2021

Industrial transition towards digital economy

NEC Corporation
Chairman of the board
Dr. Nobuhiro Endo

Evolution of ICT capabilities (1995~2020)

Computing Power

(Processing performance of a supercomputer)

2.6 M times*1

A process that took 1 year to complete 25 years ago, now takes only 12.1 seconds

Network

(Mobile network transmission speed)

1 times^{*2}

Time required to send data on 1 CD: $150 \text{ hours} \rightarrow 0.5 \text{ sec}$

Human society has acquired the ability to collect large amounts of data instantly and process it instantly.

(Top500 the List)

ICT provides a new "digital infrastructure"









(Digital Data)



Real-time



Physical Systems (Network & Computer)



Covid-19 Upended Lifestyle

how we communicate, connect and create?

Release from location constraints

Remote function (ICT)

Release from time constraints
Real Time function (ICT)



"Creating values in **a distributed company**" more control over place and time



Proactive value creation

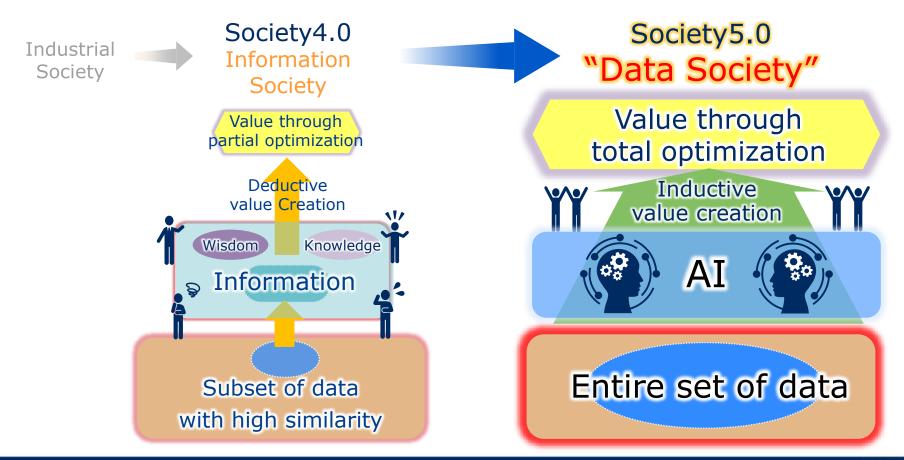
Importance of Autonomy





\Orchestrating a brighter world

Changes in the sources of value and in the value creation process



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Total optimization creates higher value

Smart city



Energy



Energy Plant



Supply Chain







Healthcare





Hospital



Industry





Factory Workplace



Global Environment

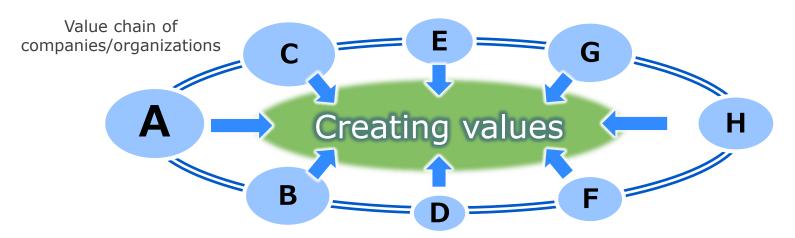




Value Chain Collaboration

Maximizing professional competitiveness

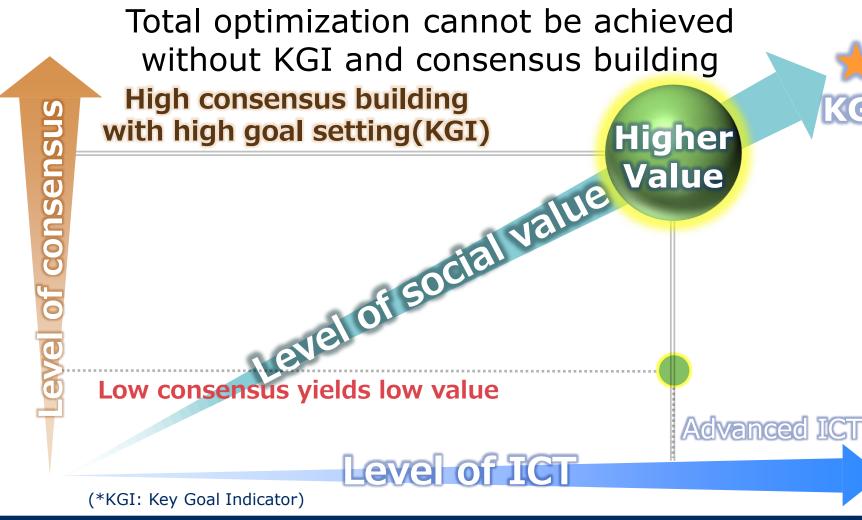
Maximizing contributions in value chain



Fundamental Strength of the Chain

Maximizing the use of advanced ICT

Aligning ICT capabilities higher in the value chain



NEC's Social Value Creation by ICT

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The Seven Themes for Social Value Creation



Sustainable Earth



Safer Cities & Public Services



Lifeline Infrastructure



Communication



Industry Eco-System



Work Style



Quality of Life









SDGs











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Dynamic

Remote

Computing

Network

Software & Data

New value creation with digital technology



India Logistics Data Services

For NICDC

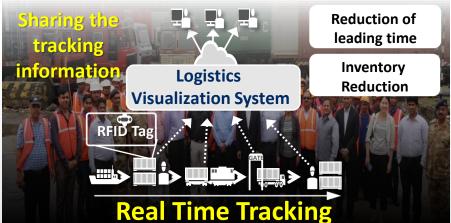
(National Industrial Corridor Development Corporation Limited)

*formerly known as DMIC









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Two sides of the same coin

Sustainable Society



Evaluating Value



Creating Value



Business continuity

Value Creation

Companies play an essential role in the design of society's long term vision



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