

\Orchestrating a brighter world

NEC

Kawasaki Eco Business Forum Introduction to Efforts of the NEC Group

NEC Solution Innovator Corporation
Innovation Promotion Headquarters
General Manager Hisashi KAWAMATA





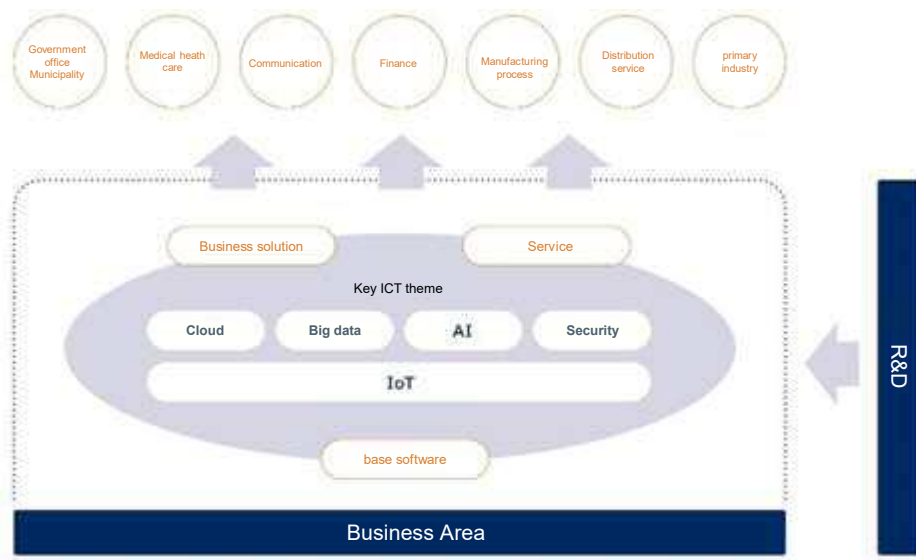
Orchestrating a brighter world

NEC aims to create a sustainable society where everyone can fully demonstrate their humanity by creating valuable contributions such as safety, security, fairness and efficiency.

NEC Solution Innovator

Solves a wide range of social problems with advanced ICT and integration capabilities.

Business Area



Sales Structure



Social Value Creation Targeted by the NEC Group

Contributes to solving social issues by focusing on 7 social-solutions projects

Social Issues

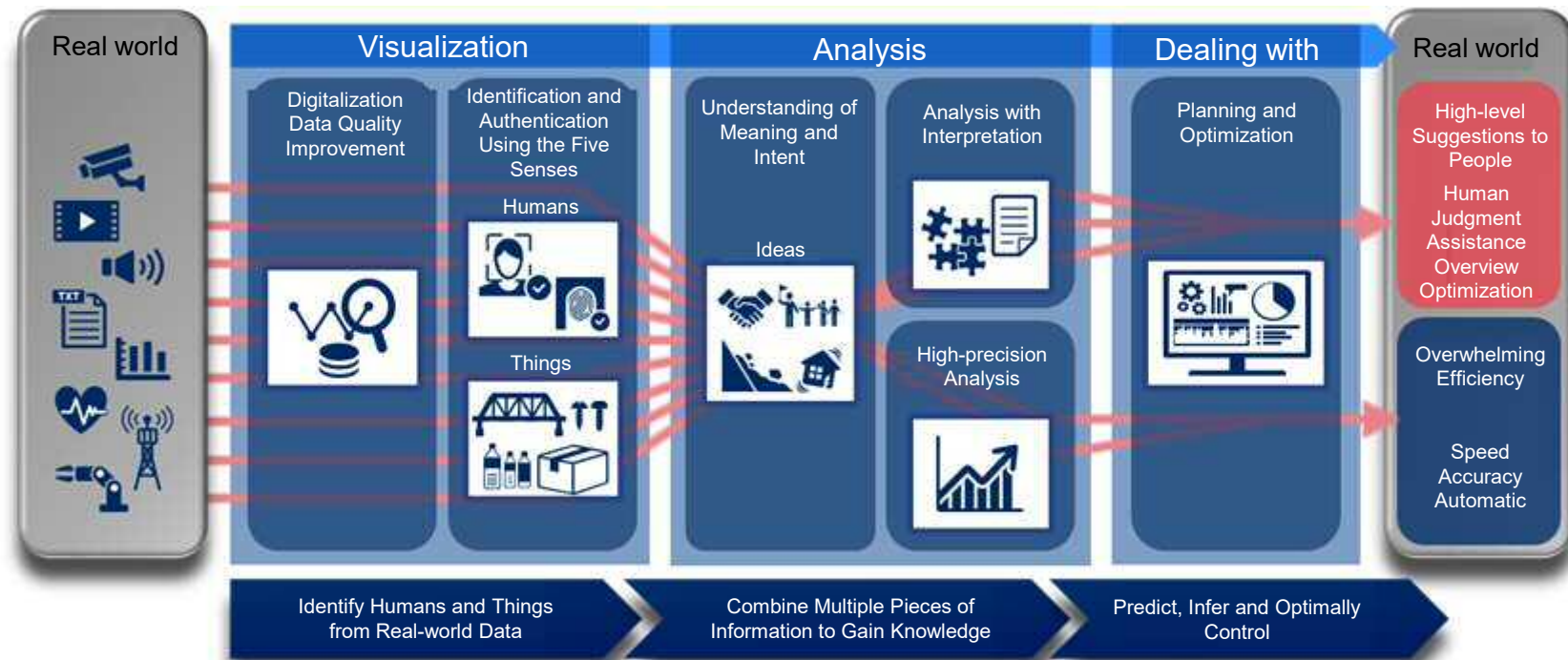


Seven Social-Value Creation Themes



AI/IoT: Interpret and Understand Real-world Data and Transform it into Social Value

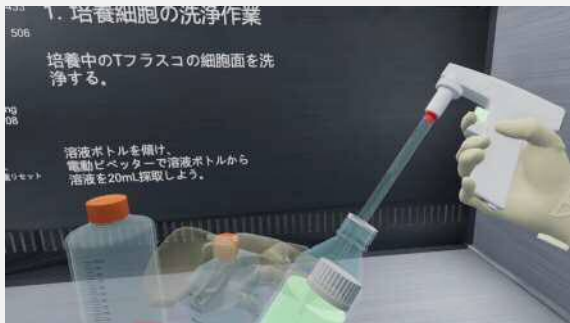
Aiming to create social value by combining multiple groups of technologies and data



New Normal

Digital Solutions that Multilaterally Support Solutions to Problems and New Initiatives Arising from/Exposed by Novel Coronavirus Infections

AR/VR



Training in efficient pharmaceutical manufacturing processes without training instructors by utilizing AR/VR

Finger Gesture



Reduce the risk of contact infection using a non-contact user interface

Portrait Analysis Using Images



Real-time analysis and tallying of gender/age/whether a mask is worn to detect over-entry and unworn masks

Some Initiatives in the Environmental Field

Promotes the use of ICT (AI, IoT, and others) to improve renewable energy, garbage issues, and resource recycling

NEC's New Initiatives



Utilize decentralized power supply
Resources
Aggregation businesses

Miyagi Prefecture Minami Sanriku-Cho Case Study



For biogas facilities
Raw garbage collection visualization

Nara Prefecture Ikoma City Case Study



Regional Community-based
Resource Separation
and Recovery

Kanagawa Prefecture Kawasaki City Collaboration

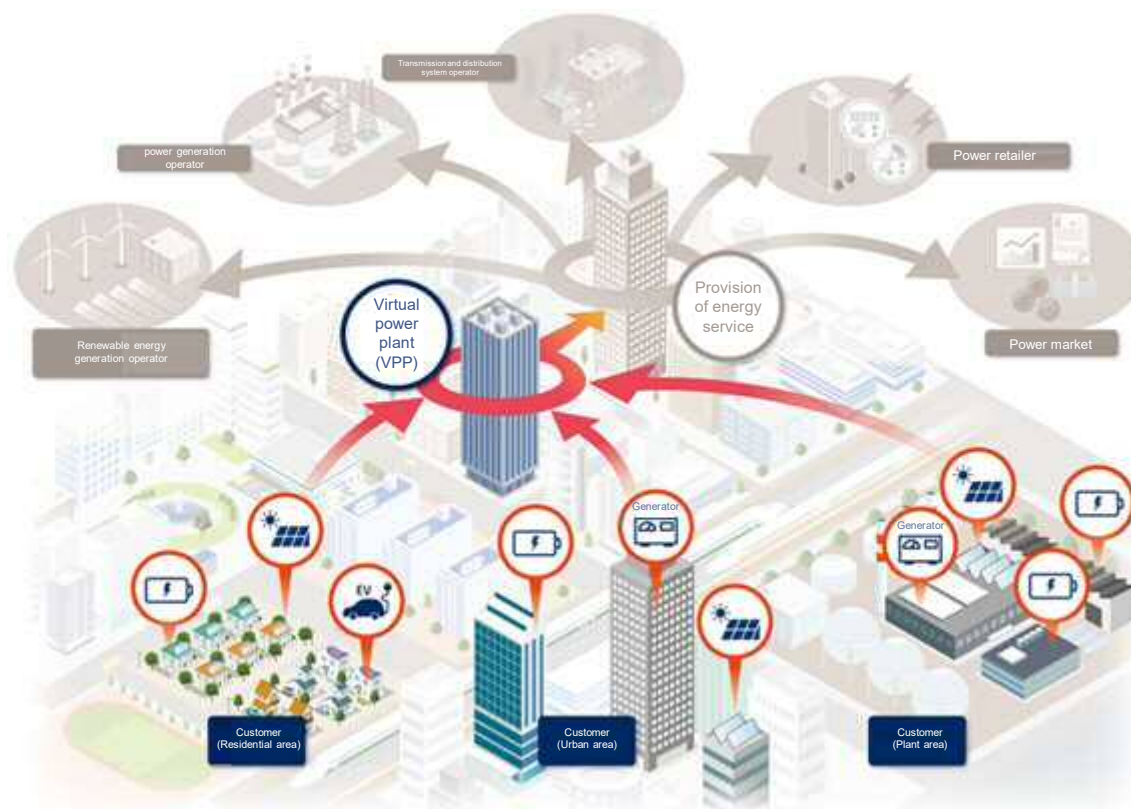


Kawasaki Zero Carbon
Challenge 2050

NEC's New Initiatives

Resources
aggregation
businesses

A "virtual power plant" where decentralized power sources that change the way renewable energy is used can be utilized without waste.



Raw garbage collection amount visualization and intervention by nudge @ Minami Sanriku-Cho

Accumulate data regarding raw garbage **collection** and **sorted quality** throughout the town



Garbage Sta.



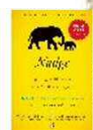
Collection and Conveyance

Recorded in a tablet



Biogas Facilities

Nudge Utilization Intervention



Approx. 4 times
Rate of
improvement



Non-Post
Group



Post Group

Change in sorting quality

Evidence-Based



Separation and collection of resources with the local community @ Ikoma City, Nara Prefecture



Check-in



Point of Appreciation



Simple IoT garbage bins



Modification of Action

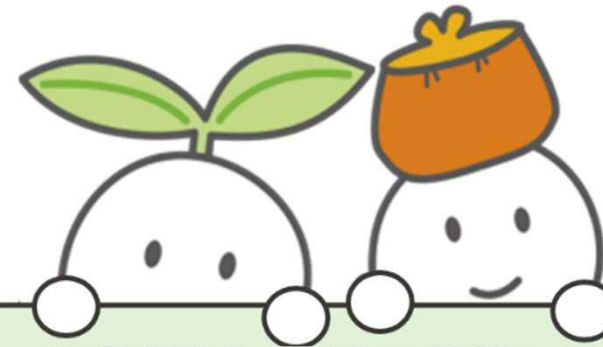


Bringing Amazing
Ideas to Life



Sustainable Earth

*Harmonizing society and
the environment*



Challenge to attain a decarbonized society

NEC

Kawasaki Carbon Zero Challenge 2050



The unforeseeable future
can be found here.

For your peace of mind, for your dreaming power, wants
to be the foundation of your life.
We will discover challenges that we have not yet seen
and will create a world where smiles are generated
through ICT.

NEC Solution Innovators, Ltd.

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