

Find out more about NEC's Vision



Creating value together
NEC Vision 2017
Case Studies and Highlights

Looking ten years ahead

Introduces NEC's vision for social value creation and our initiatives for realizing this vision.



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NEC

Looking ten years ahead and
Creating value together

NEC Vision 2017

Executive Summary

Where are we headed?

To get an idea of what the future looks like, NEC has classified the major social and global trends for the next 10 years into six megatrends.

These trends are intricately connected and affect each other as a series of chain reactions. As these chain reactions increase in speed, we begin to reach the limit of how accurately we can predict the future.

However, it is precisely because of these rapid changes that we must correctly identify global-scale megatrends and understand their essential qualities in terms of long-term impact.

We believe that awareness of the long-term impact of megatrends will also help us imagine, and prepare for, various scenarios concerning what might happen in the future.

Six Megatrends

01

Chain of resources and environmental issues



02

Growth in emerging countries and their new challenges



03

Search for mature society models



04

Increase in power and influence of individuals



05

Deconcentration of power

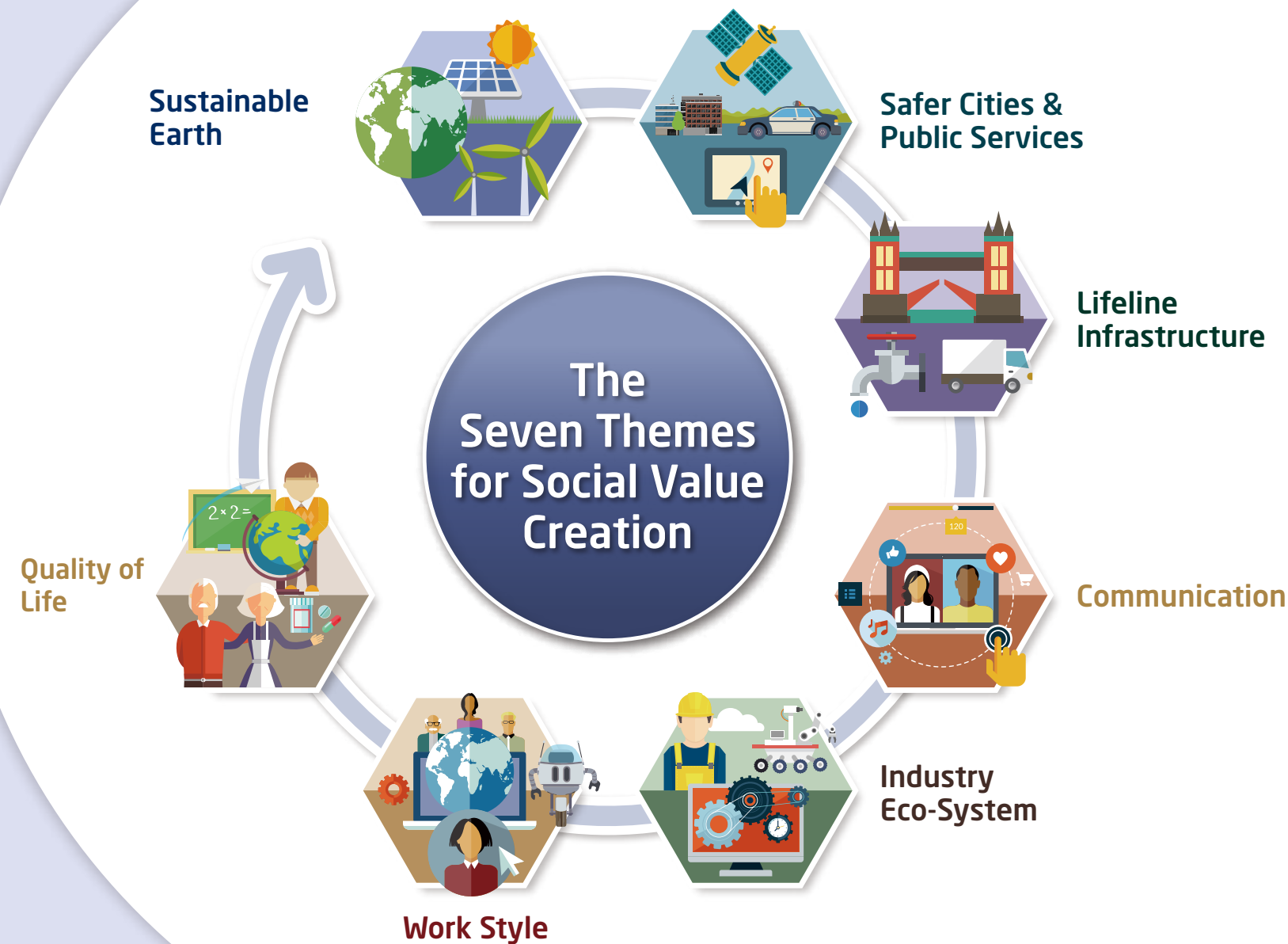


06

Diversified threats and needs for safety and security



Orchestrating a brighter world



How can we face these challenges?

NEC has devised seven themes from wide-ranging perspectives, including the environment, society, industry and daily lifestyles, by identifying six megatrends.

These themes are embodied in our Solutions for Society business, through which we aim to solve the issues facing society by maximizing the benefits of information and communications technologies (ICT).

For example, it is forecast that we will be consuming two planets' worth of resources by 2050.

We believe that we can drastically decrease waste and achieve a sustainable society by leveraging ICT to overhaul entire systems, including our systems of distribution and consumption, without increasing production.

NEC is committed to working together with customers, partners, and stakeholders to create new value, build a better society, and achieve a brighter future in which safe, secure, efficient, and equal services are widely available to everyone.

Creating the future with our customers

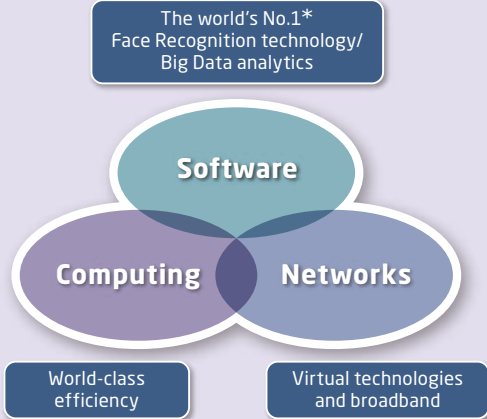
Since our foundation on July 17, 1899, NEC has forged a long history of innovation in the information and communications field. Under the slogan “Better Products, Better Services,” we have aspired to carry out our promise of bringing our customers world-class products and dependable follow-up service and support.

NEC is an industry leader in ICT, driving the development of cutting-edge technologies in computing, networks and software for building solutions.

We are also engaged in many research and development initiatives in the advanced areas of data science and artificial intelligence (AI).

Our technological capabilities and knowhow are greatly contributing to the enhancement of social infrastructure and are helping to realize a society where people have efficient and equal access to safe and secure services.

ICT development by NEC



* Ranked No.1 in National Institute of Standards and Technology (NIST) benchmark testing.

Value for society



AI technology is the key to new value creation and new business models in the IoT era

We are living in the era of IoT—a time where all kinds of things and contexts are connected, driving digitalization and the accumulation of enormous amounts of knowledge. For this knowledge to be shared and used as an asset for society, we are looking to AI to mine our stores of accumulated data for new discoveries that will bring increased value to society and business alike.

NEC's leadership in this field is well known. We possess a rich portfolio of No.1 and Only 1 AI technologies in the areas of Visualization, Analysis, and Prescription of things and contexts. NEC has unified these state-of-the-art AI technologies under the brand name “NEC the WISE.”

Our sophisticated AI technologies—which include image and video recognition, language and semantic understanding, and prediction and detection—are proving invaluable in the development of solutions for current problems, as well in driving the development of innovative new products and solutions.



NEC the WISE

AI technologies from NEC
for enriching human intellect and creativity

NEC's Solutions for Society

NEC is creating value for society in regions and countries around the world through our focus businesses of Safety, Global Carrier Networks, and Retail IT Services.



Commitment to co-creation that generates social value

NEC is collaborating with customers, partners, governments and local bodies, and international organizations to co-create new social value and new business models.



Safety

(Physical Security/Cyber Security)



Providing safety and security for daily life and society in both the physical world and the cyber world

Globalization and advancement of IoT have led to the rise of various kinds of threats to daily life and society. NEC supports safety and security through cutting-edge, world-class AI and biometrics technologies.

Telecommunications

(Global Carrier Networks)



Supporting diverse communication services with advanced SDN/NFV solutions

Data traffic is surging globally. NEC is capitalizing on its world-class achievements in providing extensive solutions to advance communication services, build communication infrastructure, and realize rich social value creation.

Manufacturing/Logistics/ Retail/Services

(Retail IT Services)



Linking MAKE, CARRY, and SELL to offer new values across the entire value chain

At a time of increasingly diversified consumer needs and rapidly changing market environments, NEC drives Value Chain Innovation that revolutionizes the entire value chain of MAKE, CARRY, and SELL to provide a better life for everyone.

Traffic and Urban Infrastructure



All regions in the world are facing problems of traffic congestion, deteriorating social infrastructure and critical facilities, and a host of other infrastructure challenges. NEC is using AI, IoT and other ICT to address these problems and deliver convenient and efficient, as well as safe and secure, traffic and urban infrastructure.

Big Data Solutions



As AI and IoT drives the utilization of Big Data across a wide array of fields, NEC supports the continuous creation of new customer value through advanced analytics services.

Cloud Solutions



NEC provides optimal hybrid clouds and service integration to realize SoE, SoR and their flexible linkage, and create new businesses and services that leverage the cloud.

SDN Solutions



As communication traffic rapidly expands due to IoT and mobile communications, NEC provides the world with cutting-edge ICT systems that leverage advanced technological capabilities and an impressive track record as a leading vendor of SDN technologies.

Realizing sustainable agriculture by leveraging AI and IoT

KAGOME

NEC the WISE



Developing smart clothes that measure vital signs using ICT

GUNZE



Providing a new way of payment at convenience stores using smartphone apps

brees corporation



Supporting the creation of safe, secure and attractive cities utilizing AI

Smart Cities

Tigre, Argentina
Surat, India

NEC the WISE



Enabling advanced logistics services using IoT

DMICDC* (India)

* Delhi Mumbai Industrial Corridor Development Corporation Limited

