Empowered by Innovation

NEC

Corporate Profile

©JAXA

NEC Corporation

To Realize an Information Society Friendly to Humans and the Earth
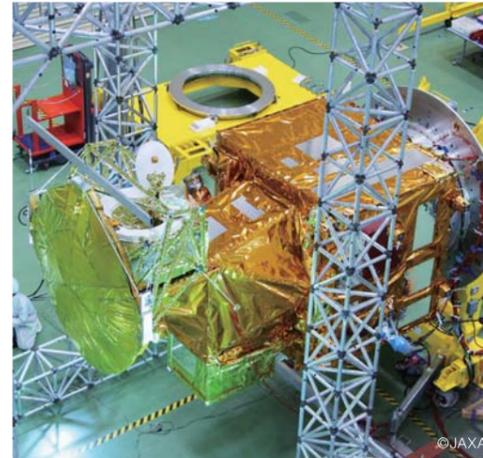
With roots in the past, looking confidently ahead

"To realize a better society by bringing people closer…"

With its origins in this desire of our founder, NEC's history began in 1899. Initially an importer of desk-stand telephones, we soon branched into the domestic production of communications technologies such as telephone switchboards. Our success laid the foundation for the growth of Japan's telephone network. In 1954, we turned with equal success to the development of office computers.

In 1977, we advocated the integration of computers and communication (C&C). Our vision was of a world in which tools including communications technologies, computers, and television were integrated to enable anyone to talk together anywhere and at any time, while actually seeing each others' faces. From the beginning, we also stressed the importance of a global communications system, in which not only the citizens of advanced industrial nations, but all the world's people are able to participate. Striving towards its realization, we played a central contribution in the development of our present-day global information society.
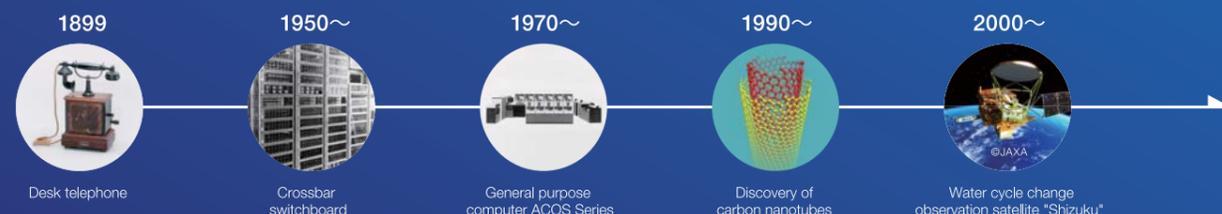
Now the world faces a variety of problems, including climate change, ensuring energy and food against the background of population increase, aging societies, economic inequality, and disaster mitigation and response. Against this background, we are striving to realize an information society that is both environmentally friendly and nurturing to its citizens. Based on the concept that today "C&C" means the fusion of IT and networks, we seek to make intensive use of information in order to solve regional and global issues, creating a society in which everyone is able to lead a better life.

In all NEC's long history, the desire expressed by our founder has not changed: "To realize a better society by bringing people closer." In this ongoing quest, we will continue to be a social value innovator, working alongside our customers to bring our vision to fruition.

©JAXA

Over the course of more than a century since its founding in 1899, NEC has built an innovative history in the information and communications field by constantly providing customers with the most advanced products and services.

With a strong focus on realizing greater "Solutions for Society", we continue our pursuit of "better products, better services" with a infinite passion for innovation not only in technical development, but in all aspects of our business, from production, sales and services, to staffing and business management.

1899	1950~	1970~	1990~	2000~
Desk telephone	Crossbar switchboard	General purpose computer ACOS Series	Discovery of carbon nanotubes	Water cycle change observation satellite "Shizuku" ©JAXA

The NEC Way

An information society friendly to humans and the earth

NEC Group Vision 2017 | To be a leading global company leveraging the power of innovation to realize an information society friendly to humans and the earth

NEC Group Corporate Philosophy | NEC strives through "C&C" to help advance societies worldwide toward deepened mutual understanding and the fulfillment of human potential.

For All People, an Abundant Society

The NEC Group's Growth Strategies and Business Domain

Japan has become one of the world's industrial and economic superpowers. From its foundation in 1899, NEC has supported business growth through the provision of the latest technologies—a role we continue to fulfill today.
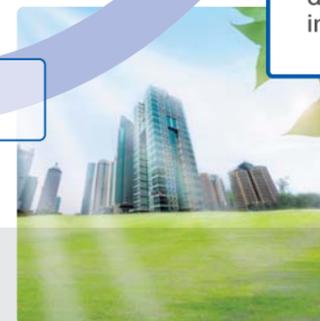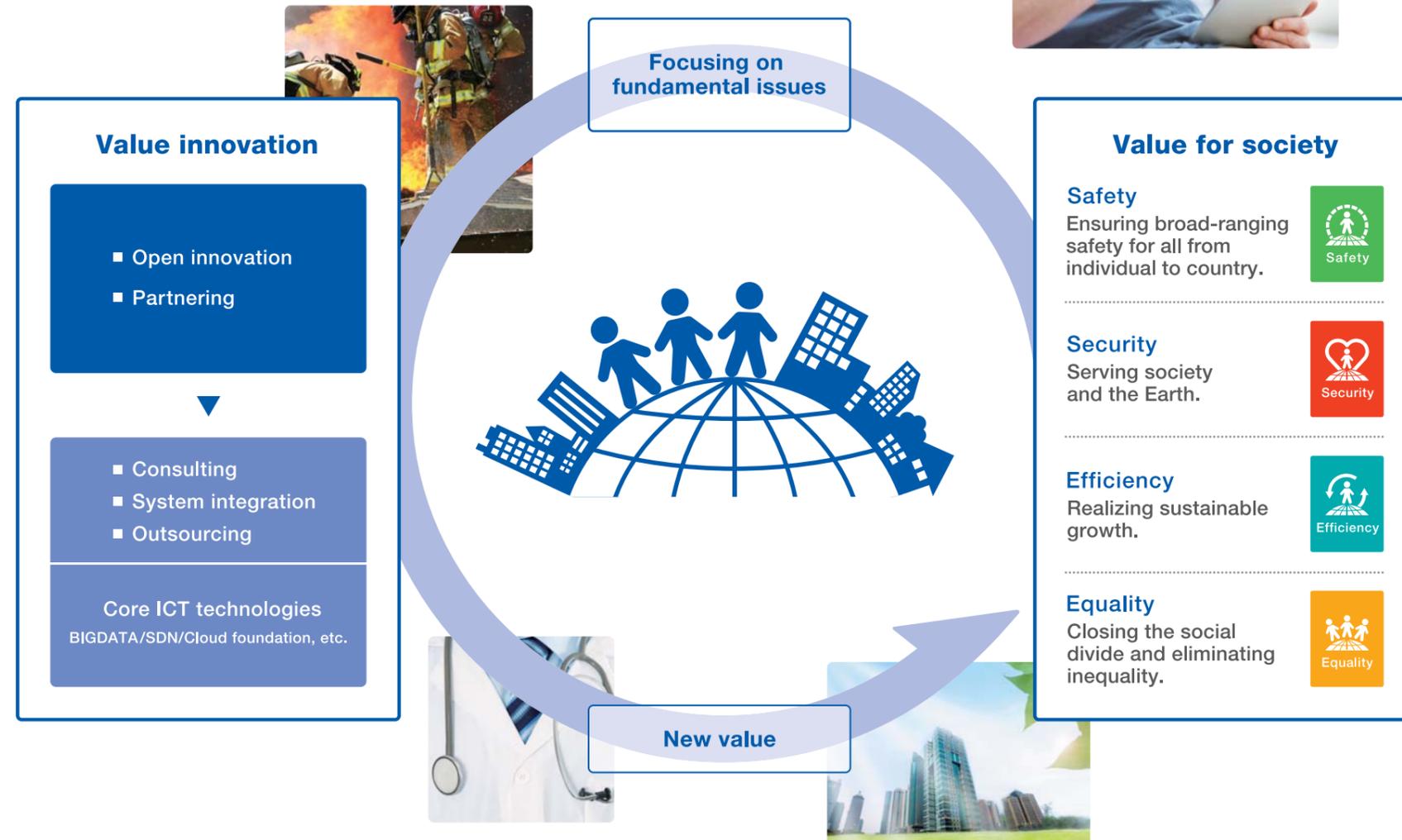
The creation of social infrastructure invigorates national and regional economies, bringing a variety of benefits to citizens. Based on our strong record of past achievements, we strive to realize a society that offers a more abundant life for people throughout the world. With this in mind, we define NEC's business domain as "Solutions for Society." Solutions for Society means making full use of NEC's assets to provide solutions to social problems, thus realizing a society in which people can live to the best of their ability.

In order to achieve this, we employ our core asset, ICT, in the support of advancing social infrastructure projects and systems throughout the world. Concurrently, by asking ourselves what constitutes true value for our customers and society, we pursue solutions to the fundamental problems of our customers and every member of society, and create broad-ranging social value by means of open innovation.

In creating and providing social value, our foundations are rooted in the following four themes, which we believe to be of central importance to the international community as we move into the future.

Solutions for Society

Value innovation

- Open innovation
- Partnering

▼

- Consulting
- System integration
- Outsourcing

Core ICT technologies
BIGDATA/SDN/Cloud foundation, etc.

Focusing on fundamental issues

New value

Value for society

Safety
Ensuring broad-ranging safety for all from individual to country.

Security
Serving society and the Earth.

Efficiency
Realizing sustainable growth.

Equality
Closing the social divide and eliminating inequality.

For All People, an Abundant Society

Security
I'm determined that he will grow up in a world free of personal danger.

Safety
When I travel in a new country, I need to feel safe from the moment I arrive.

Equality
I like to keep in touch with friends all over the world.

Efficiency
It's important to me that new technology won't harm the planet.

Safety

Removing barriers
without compromising safety

Our global society comes with risks as well as advantages. Secure yet smooth border control is an essential component in creating safe communities, especially with the vast number of people traveling the world today.

NEC makes the most of biometrics technologies, which are used at immigration checkpoints around the world, including Narita International Airport, one of Asia's busiest. NEC technologies are also being adopted by countries that are introducing national identification number systems, primarily by the emerging nations of Asia, Africa and Latin America, contributing to a safer international community in a variety of ways.

NEC helps to ensure the safety required for the continued growth and development of the global economy.

JAPAN

Chiba

Other Solutions for Safety

Biometric security solutions

Digital signage solutions

Cyber security solutions (INTERPOL)

Security

Creating secure environments where communities thrive

Personal security is fundamental if towns and cities are to gain confidence, take pride in themselves, and develop into true communities. For industry, it's the foundation on which every successful endeavor is built.
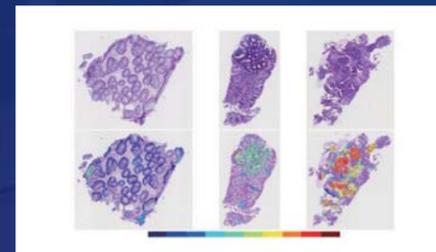
Against a background of rapid economic development, there is growing demand in Argentina today for the swift provision of more stable economic and social infrastructure. The government, private organizations, and business enterprises are therefore pushing ahead with the improvement of infrastructure, making efforts at the same time to ensure that every citizen is able to feel secure. NEC's involvement in these initiatives includes the use of its extensive experience in the implementation of large-scale infrastructure projects to participate in the creation of systems that contribute to public safety.
In Buenos Aires and the surrounding area, NEC has responded to local needs for risk management by integrating street cameras, wireless video networks, monitoring centers and data storage facilities into a single comprehensive safety suite. Put in place quickly and efficiently, this system is a major step towards enabling citizens to live with peace of mind, freely pursuing their daily activities as they seek to realize their dreams and achieve their full potential.

NEC will continue contributing to the foundations of a secure society that guides every individual's efforts towards success.

ARGENTINA
Buenos Aires

Other Solutions for Security

Digital pathology
diagnosis assistance systems

Nursing home management systems

Security

Creating secure environments where communities thrive

Personal security is fundamental if towns and cities are to gain confidence, take pride in themselves, and develop into true communities. For industry, it's the foundation on which every successful endeavor is built.

Linking Japan's metropolitan areas, Shin-Tomei Expressway is designed to be the safest expressway in the world. To achieve this, it incorporates NEC traffic control systems. They monitor vehicle flow by rapidly processing enormous volumes of data collected from roadway sensors at approximately 1-minute intervals.

NEC will continue contributing to the foundations of a secure society which guides every individual's efforts towards success.

JAPAN

Kanagawa

Other Solutions for Security

Public safety solutions

Automated vehicle clearance systems (Hong Kong)

Efficiency

Optimizing resources while building for tomorrow

The truly lasting development is one that considers not just its short-term benefits, but its long-term legacy. Our mission is to ensure that NEC's solutions optimize the use of the world's limited natural resources while also being an engine to grow prosperity.

Meeting this challenge are bold, forward-thinking initiatives in the world's growing economies: places such as Brazil, where one of the new venues for the 2014 FIFA World Cup, a stadium and its surrounding complex near Recife, Pernambuco, is designed to be a next generation city, providing a self-sustainable environment after the event. In cooperation with the Arena Pernambuco Consortium, NEC uses its expertise in advanced ICT to propose an efficient urban infrastructure, including cloud computing to support various corporate and public services, intelligent energy systems, and comprehensive ICT provision that can accommodate large scale events.

NEC empowers governments and business organizations to engineer new solutions that better serve their constituencies while minimizing the impact on our planet.

Pernambuco ●
BRAZIL

Other Solutions for Efficiency

Accumulation of electricity systems

Smart city solutions

Efficiency

Optimizing resources while building for tomorrow

The truly lasting development is one that considers not just its short-term benefits, but its long-term legacy. Our mission is to ensure that NEC's solutions optimize the use of the world's limited natural resources while also being an engine to grow prosperity.

One of the largest retail chains in the world, 7-Eleven, Inc., is successful because it constantly monitors and responds to customers' needs. NEC serves as a strategic partner to 7-Eleven, providing store-centric solutions that empower the company in a way that minimizes labor, energy and transportation costs while optimizing product assortment and just-in-time delivery.

NEC empowers governments and business organizations to engineer new solutions that better serve their constituencies while minimizing the impact on our planet.

Other Solutions for Efficiency

Distribution industry solutions

Agricultural ICT solutions

USA

Dallas

Efficiency

Optimizing resources while building for tomorrow

The truly lasting development is one that considers not just its short-term benefits, but its long-term legacy. Our mission is to ensure that NEC's solutions optimize the use of the world's limited natural resources while also being an engine to grow prosperity.

Working together, NEPON Inc., the leading Japanese manufacturer of hot-air heaters for greenhouses, and the National Federation of Agricultural Cooperative Associations provide a cloud-based system for farmers. Developed by NEC, the system centralizes farm data, enables information-based environment control, helps to improve production, and makes the introduction of improved agricultural methods possible.

NEC empowers governments and business organizations to engineer new solutions that better serve their constituencies while minimizing the impact on our planet.

JAPAN

Kanagawa

Other Solutions for Efficiency

Smart device solutions

Equality

Laying the fabric for a united world

More than ever, today's technology is breaking down boundaries. It has the capability to place the wealth of human thought and achievement in the hands of all people, regardless of their location. To do this, the first requirement is a fast, reliable infrastructure that reaches from the heart of individual societies into the major arteries of world communication.

This is exactly the kind of project NEC has been working on in Southeast Asia. NEC took part in a submarine cable spanning almost 9,000 kilometers, linking Japan, mainland China, Hong Kong, the Philippines, Brunei and Singapore, bringing increased bandwidth throughout the region and dramatically improving its ability to interact with the rest of the world.

The possibilities of systems like this go far beyond education and entertainment. By removing the "digital divide," they uplift communities, strengthen world bonds, and open the doors for increased opportunities and better, richer lives.

JAPAN
CHINA
HONG KONG
PHILIPPINES
SINGAPORE
BRUNEI

Other Solutions for Equality

Online education services

©JAXA
Space solutions

Microwave network solutions

Research and Development

©JAXA

NEC works to accelerate those R&D activities that can make a vital contribution in business domains related to "Solutions for Society." Furthermore, we engage in research and development from a perspective that is as close as possible to that of our customers to identify potential needs, and utilize open innovation to maximize the new value we create.

Such activities include:

- Big Data/analytics
- Software-defined networking (SDN)
- Real-world data and related processing
- Safety and security
- Smart Energy
- Smart business

The NEC Group owns approximately 65,000 patents worldwide, including approximately 23,000 patents in Japan (as of March 2013). With intellectual property as the foundation for the Group's business competitiveness and stability, it is working to strengthen its intellectual property capabilities.

In addition to pursuing a business model that utilizes standardization, NEC is engaged strategically in standardization activities both in Japan and internationally.

NEC's research and development activities are closely linked to the company's intellectual property and standardization strategies. The aim is to create an ongoing stream of innovation that supports current businesses and inspires future expansion.

R&D Laboratories

GERMANY
Heidelberg

CHINA
Beijing

UNITED KINGDOM
Acton

USA
Princeton

SINGAPORE
Singapore

USA
Cupertino

JAPAN
Tamagawa
Tsukuba
Ikoma
Sagamihara

Business in Japan

Our passionate pursuit of the best, and our spirit of innovation have remained unchanged since our founding.
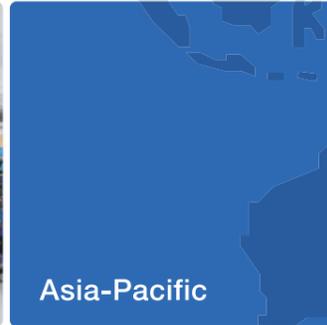

NEC's history—spanning more than 110 years—is one of ceaseless innovation. This has been achieved by offering our customers the best possible solutions, products and services that are designed with the future in mind.

Envisioning a society where communication knows no bounds of space or distance, we have contributed to the development of telecom carrier infrastructure that has evolved with changing technology, from fixed telephone lines to the most advanced mobile network.

In 1977, NEC spearheaded the integration of computers and communication (C&C). This groundbreaking fusion of technologies has had a profound effect on industry, agriculture, transportation, government, financial, retail, and many other sectors.

Throughout all these changes, NEC's promise has remained the same: that we will use our innovations to realize a productive society that enables people throughout the world to live a more fulfilling life.

NEC Worldwide

North America

Latin America

Europe,
Middle East,
and Africa

Greater China

Asia-Pacific

In focusing our energies on "Solutions for Society," NEC's greatest focus will be on Asia, where demand is high and our local affiliates are strong.

On average, countries throughout Asia are expected to achieve strong annual GDP growth for the foreseeable future. Our target is to drive business expansion by capturing demand in sectors that include safety and energy, which will be driven by urbanization. In highly developed countries, we will proceed with the transformation from our former product export business model to one which is suited to new structural changes.

NEC's promotion of "locally-led" business is another effort to realize "Solutions for Society." We seek to elevate our current system to another level, creating a system that enables NEC to accurately grasp each locality's need for more advanced social infrastructure and makes it possible for people on the ground to drive development. Over the long-term, our target is a system in which each region is independent and contributing to the NEC Group's mutual development of strengths.

NEC's Global Safety Division, established in Singapore in April 2013, is an advanced model of this system. This division plays the role of "control tower" for NEC's safety business. In Singapore, NEC has long been involved in areas that include fingerprint recognition, facial recognition and video surveillance, where we also have well established customer channels. In the future, in addition to strengthening these sectors, NEC will also engage in initiatives such as the development of solution platform models and the provision of project support in countries throughout the world.

The NEC Way

An information society friendly to humans and the earth

NEC aims to ensure the sustainable development of society and the NEC Group by implementing The NEC Way.

It is crucial that companies recognize that their existence is premised on society, and at the same time is part and parcel of the global environment that is precious to all forms of life on the earth.

NEC seeks to realize "an information society friendly to humans and the earth," as set forth in the NEC Group Vision 2017 based on its Corporate Philosophy.

To this end, in the course of daily operations, every employee will rigorously adhere to corporate ethics and compliance standards, practice the NEC Group Core Values (what we value and base our behavior on), and help solve issues faced by customers and society.

Our important social responsibilities also include ensuring full accountability through the active disclosure of information on the results of our CSR initiatives and related issues, and communicating with stakeholders to improve our corporate activities and build trust.