[Corporate Philosophy]

Creation, Reliability, Growth

As a professional IT firm, NS Solutions focuses on creating real value to
establish mutual trust with its customers,
achieve mutual business growth, and contribute to progress in society.

NS Solutions
Answers to power your future

NS Solutions
NIPPON STEEL

NS Solutions Corporation

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CORPORATE

PROFILE

NS Solutions Corporation

Exploring the Leading Edge Tog ether with Clients
NS Solutions Corporation

Facilitating business growth in the age of digital innovation

Digital innovation based on cutting-edge IT expertise—this gives the decisive advantage that clients in the current market need and that we at NS Solutions can provide. We bring outstanding integration capability to the table. Always at the forefront of system development as well as operation and consulting services, we have created a track record of successful tailor-made solutions for a wide range of clients. We are now building even more intricate, long-lasting partnerships, helping clients to address complex management challenges and facilitating the discovery and development of new markets.

Steel is in our DNA, and we develop self-motivated human resources

We grew out of the Information Systems Division of Nippon Steel, a major IT user. Advanced technology and solid know-how backed up by reliable systems are required to produce high-quality steel around the clock, 365 days a year. These capabilities are reflected in what might be termed the "DNA of steel" that informs our management policies and fuels NSSOL's unparalleled integration power. Seeking to constantly enhance and expand these strengths, our top priority is developing human resources that are equipped to think and act for themselves. By coming up with new strategies and leveraging new technologies, we give our clients exactly the solutions they need.
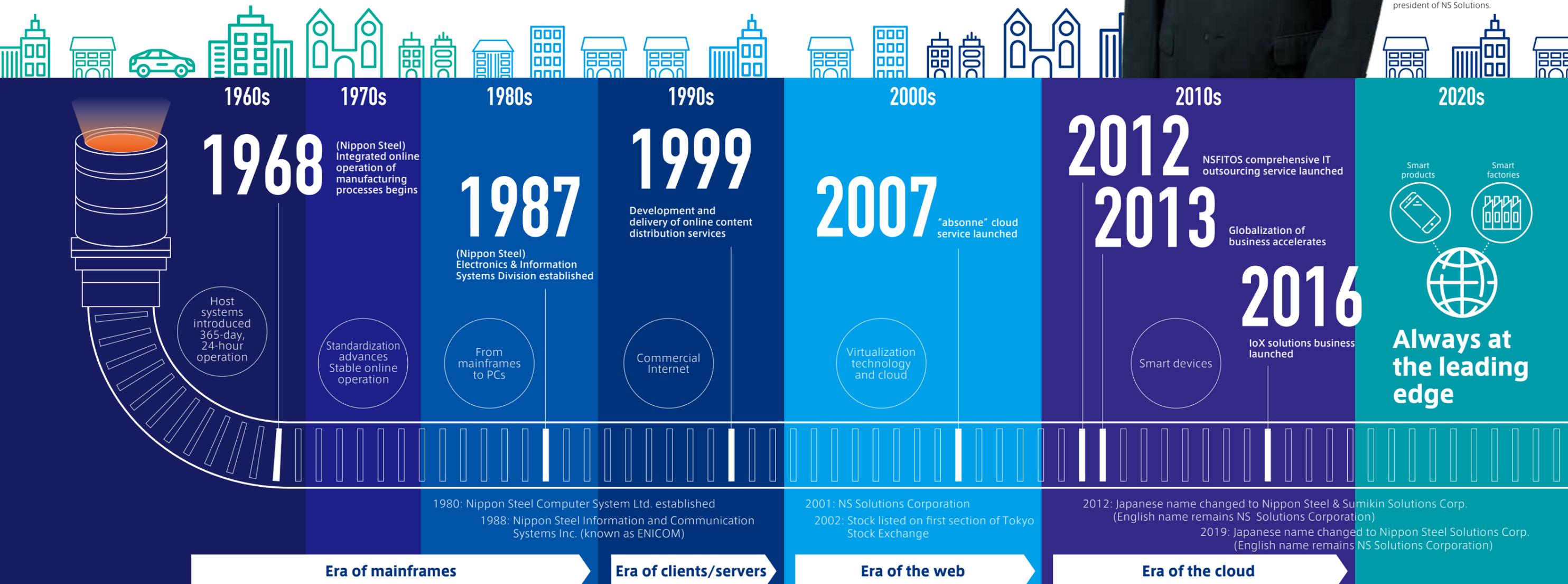
Supporting the globalization of business through "Japan-quality" systems overseas

The globalization of business is progressing across a wide range of sectors. We offer a palette of IT solutions designed to enable global orientation of the entire supply chain including procurement, manufacturing, and marketing. We also have established a highly responsive framework for assessing the IT needs of our clients' overseas subsidiaries. This involved setting up NSSOL subsidiaries in various locations around the globe, including the U.S. (1997), China (2002), Singapore (2011), the UK (2013), Thailand (2013), and Indonesia (2014). While ensuring that the quality of systems and services remains on the same excellent level as in Japan, we are actively hiring and training local staff.

Representative Director & President
Hiroyuki Morita

Hiroyuki Morita was born in 1958. He graduated from Hitotsubashi University Faculty of Commerce and Management in 1982 and then joined Nippon Steel Corporation. In 1989 he was seconded to NSSOL, and in 1997 he became president of ENICOM Inc. (now NS Solutions USA). In 2008 he became head of the Financial Management Information System Solution Division, and in 2012 he was made a director and head of the Corporate Planning & Strategic Alliance and Accounting & Finance Department. In 2015 he became a senior director, and in 2016 he was made managing director and head of the Industrial & Retail Business System Solutions Units and Sales Planning & Management Bureau. In 2019 he started his new post as representative director and president of NS Solutions.

1960s

1968 (Nippon Steel) Integrated online operation of manufacturing processes begins

Host systems introduced 365-day, 24-hour operation

1970s

Standardization advances Stable online operation

1980s

1987 (Nippon Steel) Electronics & Information Systems Division established

From mainframes to PCs

1990s

1999 Development and delivery of online content distribution services

Commercial Internet

2000s

2007 "absonne" cloud service launched

Virtualization technology and cloud

2010s

2012 NSFITOS comprehensive IT outsourcing service launched

2013 Globalization of business accelerates

2016 IoX solutions business launched

Smart devices

2020s

Smart products

Smart factories

Always at the leading edge

1980: Nippon Steel Computer System Ltd. established
1988: Nippon Steel Information and Communication Systems Inc. (known as ENICOM)

2001: NS Solutions Corporation
2002: Stock listed on first section of Tokyo Stock Exchange

2012: Japanese name changed to Nippon Steel & Sumikin Solutions Corp. (English name remains NS Solutions Corporation)
2019: Japanese name changed to Nippon Steel Solutions Corp. (English name remains NS Solutions Corporation)

Era of mainframes > **Era of clients/servers** > **Era of the web** > **Era of the cloud** >

Highly advanced and practical skills in a wide range of fields backed by a long history

While continuously evolving at the leading edge of technology, NSSOL is also able to draw on its roots formed by a long track record in system development and operation for Nippon Steel Corporation, one of the world's largest steel makers. The world of steelmaking requires absolutely reliable 24/7 operation, as well as ongoing optimization of highly complex operation processes, making system management a formidable task. For over 50 years, NSSOL has been responding to such demands by planning, developing and operating IT solutions, acquiring highly advanced and practical skills in a wide range of fields. Our four main traits can be characterized as follows:

(1) [Business Savvy] Extensive knowledge of business operations covering a wide range of fields including manufacturing, distribution, and the financial sector.
(2) [IT Skills] Advanced system engineering expertise for consistently providing high-level software development, IT infrastructure design, operation and maintenance.
(3) [Dynamic Stance] Always pursuing leading-edge solutions from the vantage point of the customer to achieve true usefulness.
(4) [Reliability] Solutions are always backed up by thorough standardization, and processes are optimized to ensure high quality and high productivity on the development, operation, and service level.
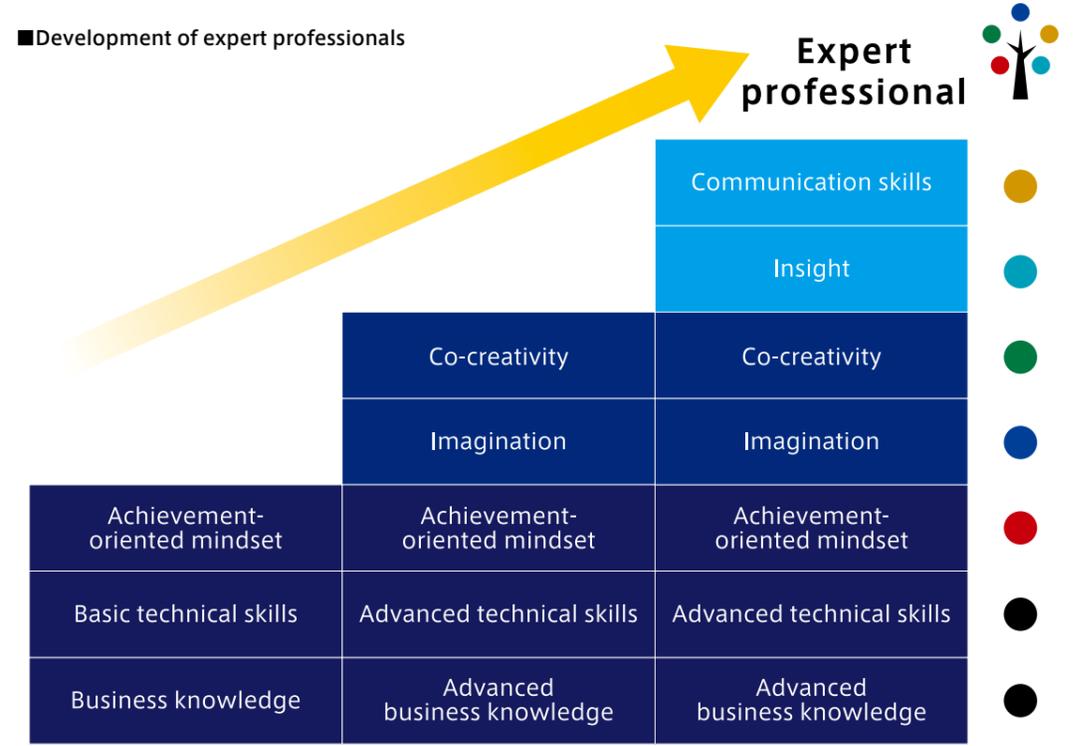
■4 key attributes of NSSOL technology

Over 50 years' experience

[Dynamic Stance]
Leading-edge solutions

[Business Savvy]
Extensive knowledge of business operations

[IT Skills]
Advanced system engineering expertise

[Reliability]
High-quality, high-productivity development, operation, and service

Systems R&D Center

A cluster of experts creating new value with a three-fold approach—R&D, business support, human resources development

The evolution of IT is accelerating, making constant research and development absolutely essential for creating effective solutions. NSSOL's Systems R&D Center located in the Minato Mirai area at Yokohama is committed to creating new business value that will contribute to actual operations some three years in the future. The center covers a wide range of topics, researching and developing state-of-the-art technologies in IT infrastructure, data, applications, and services. The center's mission is to pursue three goals in a balanced manner: research and development, business support, and human resources development.

R&D
· Contribute to operations looking three years ahead
· Create solutions through exploration, implementation, and transformation

Business support
· Harnessing research and development results for actual projects
· Enhanced responsiveness to customer needs

Human resources development
· Fostering high-level professionalism
· Educating technology leaders

Diverse, integrated training to draw out individual skills and produce expert professionals that contribute to enhancing the business value of customers

Business environments in the modern world are increasingly complex and demanding, making IT more important than ever. But sophisticated IT by itself is not enough. What is needed are advanced human resources, in other words skilled professionals who can identify the essence of issues facing customers and contribute to raising their business value. Extensive knowledge of advanced technology is a prerequisite, along with a deep understanding of the customers' business and operations. This makes it possible to select technologies, products and services that are optimal for addressing current and future issues. People who can propose and realize such solutions also must fully grasp the significance of the customer's business.
Expert professionals who combine business knowledge with technical skills are achievement-oriented, insightful, and able to conceptualize and co-create, convey information and put things into practice. We also have created the NSSOL Academy offering the opportunity for deepening field-specific skills and expertise.

■Development of expert professionals

Expert professional

		Communication skills
		Insight
	Co-creativity	Co-creativity
	Imagination	Imagination
Achievement-oriented mindset	Achievement-oriented mindset	Achievement-oriented mindset
Basic technical skills	Advanced technical skills	Advanced technical skills
Business knowledge	Advanced business knowledge	Advanced business knowledge

NSSOL Academy

Seasoned experts and young specialists inspire and learn from each other

With the brief of playing a central role in fostering leading professionals who can energize the transformation and growth of customers' businesses, NSSOL formed the NSSOL Academy in April 2014. In so-called communities based on six personnel categories, seasoned employees with broad perspectives based on years of experience and younger employees with advanced expertise in state-of-the-art IT technologies come together here to inspire and learn from each other, regardless of age or rank. The communities are designed to promote the sharing of experience, knowledge and methodology to enhance employee competencies and train younger employees, through a range of self-motivated activities such as workshops and training sessions.

NSSOL ACADEMY

Realizing transformational goals

Answers to power your future

As we enter the era of digital innovation, the business model of NSSOL also keeps evolving. Referring to the conventional SI business model as NSSOL 1.0, we are now developing new models called NSSOL 2.0 and NSSOL 4.0 while further strengthening our operations. NSSOL 2.0 is a higher form of the IT partner model where we work jointly with the client company to develop and grow their business. Inspired by the Industry 4.0 concept, NSSOL 4.0 explores entirely new business realms that are opened up by digital innovation.

Today's best is not always best tomorrow in this dynamic era.

IT-driven innovation is essential for business.

How do you envision your future?

Exploring the future together,

to realize your vision.

That is our mission.

With our technologies driving IT revolutions

And our insights inspiring business innovations

We take on the challenges to bring a brighter tomorrow.

NS Solutions

Answers to power your future

Business transformation

IT based innovation

Cutting-edge expertise

Information technology skills

Identifying challenges

Configuration/ Operation

Areas of expansion

Customer relationship

NSSOL 4.0:The digital innovation model

| Smart factories | Smart products |

NSSOL 2.0:The IT partner model

Shared responsibilities model (outsourcing)
· NSFITOS (data center/absonne/ITO center)
· @absonne service (M³DaaS/SaaS)
· PFI[*1] business model

Value creation model (insourcing)
· Upstream IT personnel deployment/human resources exchange
· Joint development
· PPP[*2] business model

NSSOL 1.0:The SI model

· Phased approach:

Planning → Design → Production → Testing → Maintenance / Operation

· Development environment: NSSDC[*3], SLC standard[*4], development framework
· Development framework: Parent-subsidiary collaboration (nearshore/offshore development)
· Quality/risk management: QMO[*5] / PMO[*6] framework

Customer

NSSOL

*1:PFI:Private Finance Initiative
*2:PPP:Pay Per Performance
*3:NSSDC:NS Solutions Software Development Cloud
*4:System Life Cycle Standards
*5:QMO:Quality Management Office
*6:PMO:Project Management Office