# **Corporate Profile**

**DNP** 

**Creating future standards** 

## Creating future standards

The DNP's Corporate Philosophy is "The DNP Group connects individuals and society, and provides new value" and we strive to realize a sustainable, better society and wellbeing lives.

By combining DNP's unique strengths and collaboration with our external partners, DNP intends to resolve social issues and create new value to meet people's expectations.

Originally, printing developed from the desire to convey thoughts and express emotions as widely as possible. Since then, the industry has seen continuous revolutions in methods and skills.

DNP has always been part of this process, building our capabilities around the wish to bring more joy and enjoyment to people. Every day we challenge ourselves to achieve and surpass the goals of our partners and customers, and to add excitement to everyone's lives.

Since our early years, we've constantly expanded our expertise. Today we develop and refine technologies for conducting electricity, controlling light and heat, decorating surfaces, and protecting content, creating new standards for the industry of the future.

Our high-transmission film applications reproduce images more vividly at lower power, widen the field of vision, and eliminate display discomfort. Our lithium-ion battery pouches are lighter and safer, and make possible an ever-greater range of shapes. Without them, smart phones would not have developed the way we all enjoy them. Expanded to electric vehicles, they're now a key part of our contribution to a low-carbon society.

As we move ahead, we will continue to open opportunities like these for technologies rooted in the print industry, combining our unique strengths with those of our partners to provide a richer and more vibrant world for all.

Yoshinari Kitajima President



### **Products and Services with Top Market Shares in Japan and Overseas**

### **Smart Communication**







### (World's top)

### Dye-sublimation thermal transfer media for photo prints



### Japan's top

### Smart cards

For smart cards, including credit cards, transportation cards, electronic money, etc., DNP offers integrated services spanning all processes from software development to production to personalization.



### Life & Healthcare







### (World's top)

### Battery pouches for lithium-ion batteries

A light, film-type product, this item is a safer, more versatile option for protecting various battery shapes. It's also better for the environment.



### Japan's top

### Olefin sheet for interior and exterior applications using EB technology

Featuring a diverse array of high-quality designs, as well as excellent resistance to scratching, grime, sunlight, and more, these products are built for long-term use.



### Japan's top

### Aseptic filling systems for PET bottles

Our system fills beverages in an aseptic environment, ensuring they can be safely stored at ambient temperature. It is designed to reduce energy and water usage, and enhancing productivity.



### **Electronics**









#### (World's top)

### Metal masks for OLED display manufacturing

This production material is made use of technologies such as DNP's precision processing, and supports many high-quality, high-precision organic light-emitting diode displays.





### (World's top)

#### Optical films for displays\*

These films prevent display glare, scratches, smudges, etc., achieving brighter images with less power consumption.

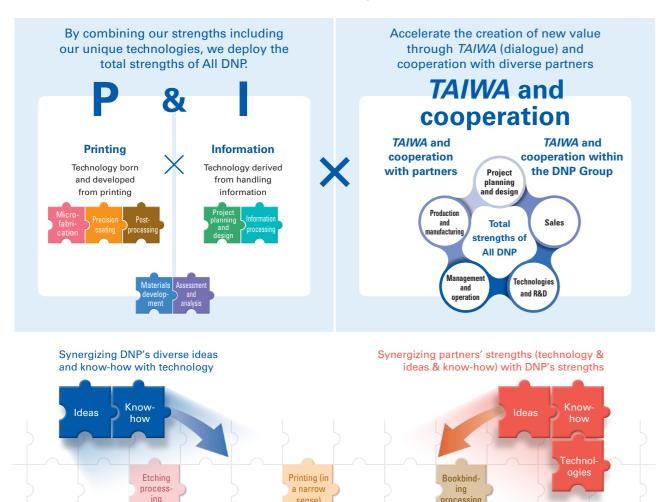




\* In the case of anti-reflection film and anti-glare film used on the surface of displays

# New Value Generated by Synergizing Our Original, Diverse Array of P&I Strengths

The technological matrix of Printing and Information is a strength unique to DNP, and the two together hold truly limitless possibilities for value creation. We manifest the All-DNP multiplier effect, and at the same time bolster collaboration with external partners holding different technologies, ideas, and know-how in contrast with DNP. With a view to a better future, we are also stepping up the speed of creating the kind of value essential to both people and society at large.



Dispersion

security

Polyme

materials

Living

Post-

Assay

analysis

Process

Process

## Project planning and and design Processing Assessment and analysis

- Extended Reality (XR)
- Space design
- 3D digitalization
- Image processing and recognition
- Data processing

### ■ Examples of Value Creation



Image of a VR experience using interestsparking art viewing tool to explore and walk-through at the Mazarin Gallery

©DNP Dai Nippon Printing Co., Ltd. 2021, with the courtesy of the Bibliothèque nationale de France

### The DNP's interactive content series to explore and walk-through virtual spaces

The DNP Museum Lab initiative was launched in 2006, with the goal of delivering cutting-edge art-and-culture viewing experiences for museumgoers. DNP has created more than 100 interactive viewing systems, some of which have been adopted by the Louvre Museum.

Interest-sparking space/artifact viewing tool series represent a range of systems developed by drawing upon the accumulated technologies and expertise, envisioning diverse experiential scenarios rooted in culture and the arts.

One of these tools, that allows users to explore and walk-through virtual spaces, harnesses "Cross-modal perception," when two or more senses interact with each other. DNP provides new cultural experiences by creating the feeling of walking through a virtual environment using virtual reality (VR) such as the Mazarin Gallery in the Richelieu site of Bibliothèque nationale de France.

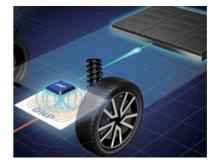


Image of a thin, light sheet-type coil for high-capacity wireless charging

### Rendering wireless battery charging systems thinner and lighter —Making EVs even more convenient—

Electric vehicles emit no CO<sub>2</sub> while running, can be charged at home, and users no longer need to fill their gas tanks. Further, consumers can now look forward to a future of wireless charging, which eliminates the need for a cable to connect the charger and car body—for even greater convenience.

The sheet-type coil for wireless charging, developed by way of DNP's monozukuri manufacturing strengths, has rendered coils thinner and lighter in contrast to conventional litz wire coil units. By reducing system installation load between the vehicle (power-receiving side) and the ground (power supply side), we do our part to speed up the popularization of wireless charging.

In March 2023, DNP, in collaboration with Sojitz Corporation and DAIHEN Corporation, became the first in Japan to obtain registration approval for commercial EVs equipped with wireless charging capability and began on-road performance tests. We are stepping up development in anticipation of achieving the capability of charging-while-driving.



DNP eco-friendly packaging product lineup

### **DNP** eco-friendly packaging

We at DNP never stop considering the possibilities for beneficial coexistence between our business activities and our planet's environment. In this connection, we are moving ahead with initiatives with a solid focus on the environment throughout the entire supply chain. Under the DNP Group Environmental Vision 2050, we are stepping up efforts toward a decarbonized society, a recycling-oriented society, and a society in harmony with nature For example, our eco-friendly packaging offers CO2 reduction, resource recycling, and preservation of the natural environment. Examples include replacing some oil-based materials with plant-based materials. as well as using products featuring easily recyclable materials and shapes. In addition, our packaging with better barriers to oxygen, moisture, etc. enables extended storage of contents, which in turn means DNP helps reduce food loss. Our FY2023 DNP eco-friendly packaging reduces CO<sub>2</sub> by 190,000 tons annually

- Project Microplanning and design Microfabrication Materials Assessm development analys
- Coil unit overall design (electrical, electromagnetic, heat, structure, recycling)
- Molding (formulation and processing of materials)



- Package design
- Package printing
- Coating
- Laminating
- Forming

DNP Corporate Profile

### **DNP's Business Brings People and** the Greater Society Together

### **Smart** Communication

By drawing on our strengths of technologies such as highdefinition image processing technology, as well as our expertise in optimizing business processes by securely delivering large volumes of digital data, we provide a diverse array of safe-and-secure communications services.

Life & Healthcare

With a view to reducing environmental load as well as conserving biodiversity, through our original

technologies we develop and

deliver the value needed to

make daily life safer, more

as well as helping people be

healthier both physically and

DNP creates synergies of our own technologies and the strengths of many of our partners, including large surface

control technology, and more.

is to enrich the lives of the

people.

By boosting the inherent value

of electronics products, our goal

area functionalization technology, microfabrication technology, micro and nano modeling technology, optical

mentally.

### Imaging communication



DNP sells dve-sublimation thermal transfer printing media, for which we hold the top global share, and photo printers in over 100 countries. We also offer various services such as inspiring photo-taking opportunities, photography data utilization, and more-all to bring smiles & peace of mind to people around the world.

### Information security



By way of services utilizing sophisticated security infrastructure such as Transformation (DX) for verification as well as do our part for better safety and security in our society in general.

### information and physical security, Digital purposes, payment, BPO, etc., we work to achieve improvements to work styles,







Battery pouches for

By emphasizing the strengths of our top-share products, and by boosting our design and functionality, our focus is to achieve the next-generation mobility society—which places greater value on transportation. We are also moving to develop high-performance materials to accommodate social change, such as materials for solar cells and more.

#### Medical & healthcare



DNP facilitates the work of pharmaceutical companies by providing packaging and active ingredients, as well as facilitating pharmaceutical formulation and clinical trials—all of which are our strengths. We provide proposals on the value pertaining to distribution and storage of pharmaceuticals, and pursue healthcare solutions that help consumers to not only maintain but also improve their health

### Digital interfaces



DNP develops and provides various kinds of products that render various displays easy to see and use, from small information screens for smart phones and vehicles to large signage. We are also expanding our product range to include Extended Reality (XR), as well as medical field items, where tone—particularly color management—is key. By seamlessly linking the real and the virtual, we are able to advance interfaces capable of optimal displays for use with all kinds of information.

DNP works to generate new value with P&I (Printing & Information) with a view to realizing a sustainable, better society and more comfortable lifestyles. Relying on our strengths in P&I, we are moving forward to further expand our business areas.

### Content & XR communication



By bringing together our strengths including IP (intellectual property) management—rooted in content holder trust in our capabilities—plus various kinds of information processing, as well as Extended Reality (XR) synergizing real and virtual, we enhance the value of the experience for everyone.

#### Marketing



From marketing strategies to the planning and implementation of hybrid communication strategies—such as those synergizing digital and analog our goal is to achieve the optimal Customer Experience (CX), applying DX as an effective method.

### Publishing

In addition to book and magazine production, as well as distribution and sales of paper and digital books, DNP is also moving forward globally, bringing together a variety of content, expanding on secondary use, building and operating environments for lifelong learning and regional revitalization, and more. In short, we lend our support to helping people everywhere acquire knowledge.

#### Education

We are offering the educational platforms, through which we achieve education pertinent to each individual child or student, as well as reducing the load of individual teachers. We support the front lines of education, providing an array of educational opportunities.

### **Packaging**



We provide packaging globally for food, beverages, home/personal care, pharmaceutical industries etc. We also make your lives better, by providing reliable, user-friendly products and services that at the same time incur less environmental impact.

### Living spaces



DNP provides new value for all manner of daily-life spaces including homes, various kinds of architectural building. automobiles, train coaches, etc. We offer consumers better quality lifestyles and more cheerful and comfortable spaces with a focus on health and the environment as well as inspiring designs.

#### Beverages



DNP Group's Hokkaido Coca Cola Bottling has promoted its business drawing on the strength of the brand. By boosting our multiplier effect with sectors such as packaging and information services, we provide All-DNP value to people everywhere.

### **Electronics**



### Semiconductors



We offer high-quality products as only DNP can, contributing to an effective combination of digital and analog technologies, in Japan as well as in other countries. These include key components in semiconductors such as photomasks, lead frames, etc. By moving forward with development of essential templates for nanoimprint technologies that significantly cut the electrical power required for semiconductor production, we accommodate fivenanometer (one-billionth of a meter) technology nodes

### Well-being



Sustainability

DNP Corporate Profile DNP Corporate Profile

### Corporate Overview (As of March 31, 2024)

Company Name Dai Nippon Printing Co., Ltd.

Head Office 1-1-1, Ichigaya-Kagacho, Shinjuku-ku,

Tokyo 162-8001, Japan

URL https://www.global.dnp/

Business Launched October 9, 1876
Company Established January 19, 1894
President Yoshinari Kitajima
Paid-in Capital ¥114,464 million

**Employees** 

36,911 (consolidated) 9,589 (non-consolidated)

Our Products and Services | Smart Communication, Life & Healthcare, Electronics





### DNP presentation and collaboration facilities designed to create future standards

As part of our efforts to promote of *TAIWA* (dialogue) and cooperation with external partners, we operate P&I LAB. facilities in Ichigaya, Tokyo and Kyobashi, Osaka. The DNP PLAZA in Ichigaya, Tokyo and the KNOWLEDGE CAPITAL ACTIVE Lab. in Umeda, Osaka serve as points of contact between consumers and DNP. We work to deepen collaboration with diverse partners, challenge ourselves to co-create new value, and driving innovation destined to change the future.





∘ P&I LAB. Tokyo Technical Zone ∘ P&I LAB. Osaka Collaboration Zone

(2) Idea-sharing



∘P&I LAB. Tokyo Co-creation Zone ∘P&I LAB. Osaka Collaboration Zone

(3) PoC (Proof of Concept)



DNP PLAZAKNOWLEDGE CAPITAL ACTIVE Lab.

Prior registration by a DNP Group employee is required for use of P&I LAB. facilities.

### Recognition from Society (December 31, 2024)

DNP has been highly evaluated by ESG evaluation agencies throughout the world and has been selected for inclusion in numerous ESG indexes in Japan and overseas.

For example, DNP has been selected for the FTSE4Good Global Index for the 24th consecutive year since 2001, and for the MSCI ESG Leaders indexes for the 8th consecutive year since 2017.

In addition, in 2023 we were certified by CDP, an international non-profit organization that provides environmental information disclosure systems, as an "A-List" company—the highest rating for our efforts in addressing climate change. We have also received a silver rating from EcoVadis, which evaluates the sustainability of business enterprises.

### ESG indexes

Recognition regarding sustainability

FTSE4Good Global Index



MSCI ESG Leaders indexes



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MSCI Japan Empowering Women Index

2024 CONSTITUENT MSCI JAPAN EMPOWERING WOMEN INDEX (WIN)

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FTSE Blossom Japan Index



FTSE Blossom Japan Index



2024 CONSTITUENT MSCI JAPAN

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S&P/JPX Carbon Efficient Index



FTSE Blossom Japan Sector Relative Index



MSCI Nihonkabu ESG Select Leaders Index

**2024** CONSTITUENT MSCI NIHONKABU ESG SELECT LEADERS INDEX

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ODow Jones Sustainability World Index

Morningstar Japan ex-REIT Gender Diversity
 Tilt Index

o SOMPO Sustainability Index

CDP A LIST



**CLIMATE**EcoVadis

