THE DNP GROUP'S VALUE CREATION STORY

A History of Transformation

Transforming our business model from the publication printing business to P&I Innovations

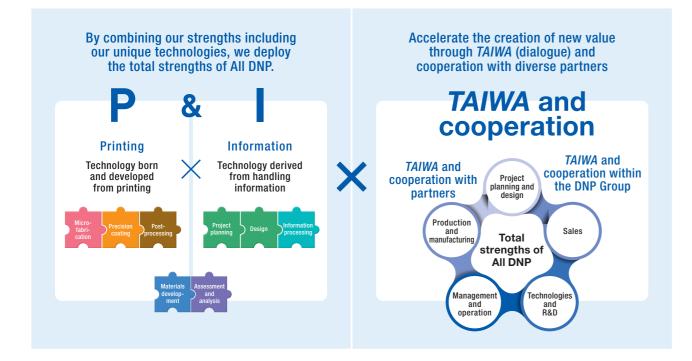
DNP has adopted the Brand Statement "Creating future standards" and continuously takes on the challenge of creating new value to realize a "better future." This initiative has inherited the words "Run a civilized business" embodied in our corporate prospectus at the time of our founding approximately a century and a half ago and this contributes



to realizing a sustainable, better society and well-being lives. DNP has developed products and services by combining its diverse strengths based on printing processes. Through these outputs. DNP will continue to provide value as future standards that exist as a close part of people's lives throughout the world.

P&I Innovations

DNP leverages technologies cultivated from printing processes that secure top shares for its product groups.



Application and dovelopment of technology based on printing processes

		Technologies cultivated through printing processes	Application of technologies	 Advancement toward products		2
1	Editing	Project planning and design	We design optimal communication strategies and output formats from the dual perspectives of sending and receiving information. We also build optimal processes for publishing and marketing, packaging and decorative printed materials and electronic components. We are evolving our editing capabilities to create value such as by developing services that improve experiential value for consumers and introducing Design Thinking.	 Various types of process design and optimization Various types of approaches such as Design Thinking Robotic Process Automation (RPA): Utilization of artificial intelligence (AI) 		(Nev 2021
2	Manuscript submission and layout	Information processing	We arrange diverse information formats such as text, illustrations, video, and audio and convert and process these into the most-optimal formats. During the preprocessing stage (pre-press), we also handle optimal color management and manage large volumes of data. We are also deepening our security-related technologies, safely and securely handling important information, and strengthening response capabilities for global businesses.	 Information security XR communication business Smart cards/settlement and authentication Digital archive Data centers Metaverse Color management Shueitai fonts, etc. 	s portfolio	2023 [Gro 2024
3	Film making and platemaking	Micro- fabri- cation	We create high-precision plates that serve as original printing plates. By further advancing the technology for this process, we form micro-patterns on such substrates as metals, glass and plastics. We are creating a wide variety of products that include leading-edge electronics products and anti-counterfeiting holograms by independently evolving our etching (corrosion) and molding (material processing) technologies.	 Metal masks for OLED display manufacturing Photomasks for semiconductors/nanoimprint master mold Various electronic devices (MEMS, lead frames, etc.) Various types of security-related products, etc. 	strong business portfolio	[Gro 2028
4	Printing	Precision coating	Ink is applied to printing plates in accordance with various printing methods and coated thinly, uniformly and precisely onto paper or film. We also focus on various applications, such as expanding substrates to metal or glass or creating a multi-layer structure. DNP's proprietary electron beam (EB) coating technology is also the result of this process. This technology provides functions such as light and temperature control, water and oxygen barriers, weather resistance and scratch resistance.	 Various types of optical films for displays Battery pouches for lithium-ion batteries Various types of functional films using EB coating Photographic print materials Packaging Decorative printed material 	Building a	(Gro indu 2019 2019
5	Binding and post-processing	Post- processing	There are technologies derived from various processing processes during the creation of the final form of books, magazines and other items. These are applied to making a wide variety of products into shapes that are easy to use by consumers. These technologies are also outstanding for use in three-dimensional processing such as die cutting and assembly; packaging for such items as foods, beverages and daily necessities; the development of systems for the aseptic filling of contents; and the inspection, measurement and analysis of various products.	 Aseptic filling systems (PET bottles, pouches, etc.) Various three-dimensional containers (cartons, laminates, etc.) Multifunctional insulated box Bookbinding and appendices POP and other promotional materials, etc. 		[Sta 2024 [Sta Unde to au creat

DNP constantly refines its most-advanced diverse proprietary technologies based on printing processes while combining these with its strengths in sales, planning, manufacturing and management to create new value. DNP's unique strengths that it has advanced in P&I (Printing & Information) are unmatched by any other company.

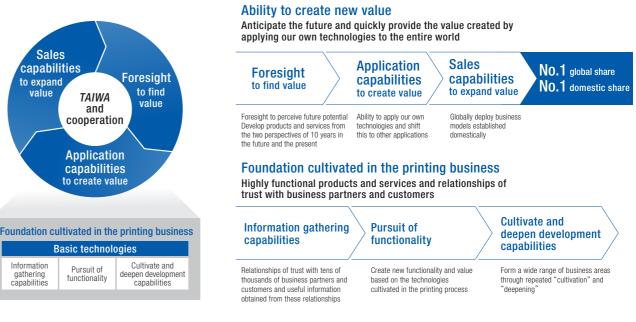
Sales

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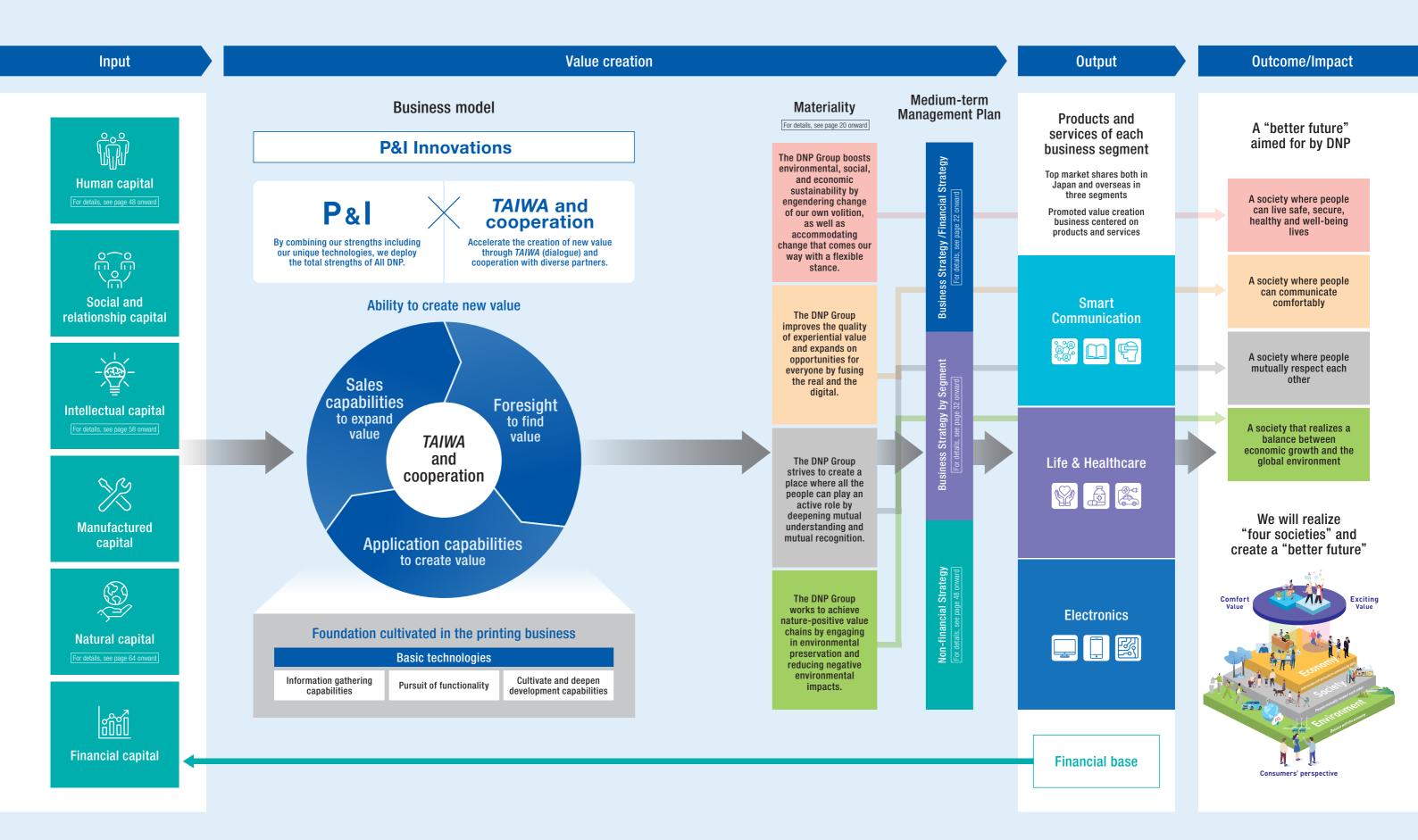
Furthermore, we will strengthen collaboration with a variety of external partners to increase the speed of value creation. There are endless possibilities in combining our strengths and we will realize a "better future" by continuing to take on the challenge of creating unprecedented value that is indispensable to people and society by deploying the total strengths of All DNP.

2020 2030 **FUTURE** New business] Content & XR communication 2021 Promoted XR communication business that fuses real and virtual spaces to create new experiences and economic spheres New business] Medical & healthcare 2023 Through a strategic business alliance with CMIC HOLDINGS, we promoted integrated m Cm manufacturing, from active pharmaceutical ingredients to formulations, and developed value-added pharmaceuticals. Growth-driving business] Digital interfaces 2024 Expanded production capacity of metal masks for manufacturing of OLED displays, which have the world's top-share: Started manufacturing large-sized products compatible with 8th-generation glass substrates Growth-driving business] Semiconductors 2023 Established joint venture Nanoimprint Solutions with SCIVAX: Responded to mass production needs of nano-imprinte products both in Japan and overseas Growth-driving business] Mobility and ndustrial high-performance materials 2019 Developed next-generation decorative panels for automobile interiors (left) 2019 Developed sheet-type coil for wireless charging of EVs (right) Stable business] Imaging communication 2024 Launched sales of the world's lightestclass 8-inch double-sided photo printe Stable business]Information Security Indertake various types of businesses related authentication/security with the aim of creating a society where everyone can live comfortably and safely

Value Creation Process

Realizing a "better future" and increasing corporate value through P&I Innovations

For DNP to create a "better future," we are always anticipating the future and initiating change on our own, and through *TAIWA* (dialogue) and cooperation we are combining our strengths to create new value and quickly provide this to the world.



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Materiality

DNP identifies materiality to realize the "better future" it envisions.

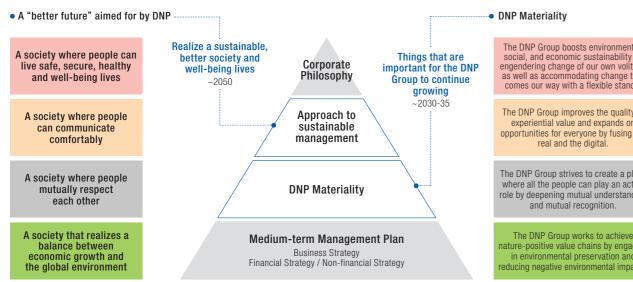
Based on the Corporate Philosophy, the DNP Group aims to realize "a sustainable, better society and well-being lives" as a sustainable management concept and is taking the initiative in conducting business activities to create a "better future." To realize the four interrelated societies that it aims for as

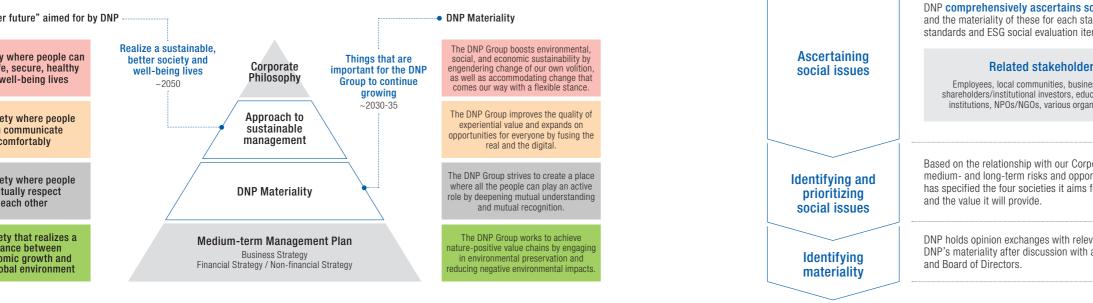
☑ DNP Group's Philosophy and Materiality

a "better future," in March 2024 DNP identified materiality as important for it to continuously grow together with society by specifying what DNP should do and what value it will create with an eye toward 2030-35.

Process for identifying materiality

In identifying materiality, DNP comprehensively ascertains social issues and megatrends related to the environment, society and the economy, and evaluates and analyzes medium- to long-term risks (variable factors) and the impact of these on our business based on factors such as the impact on our own business





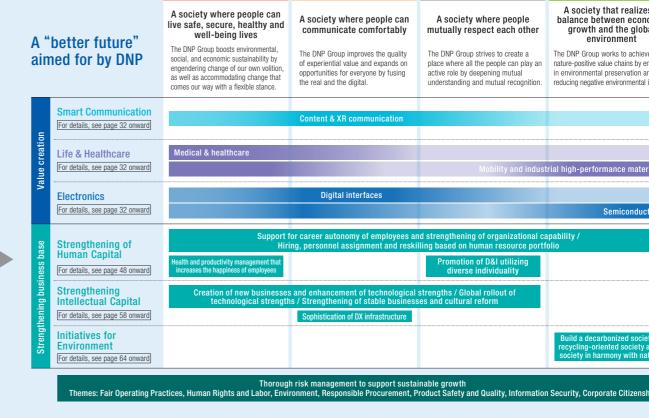
Business activities based on materiality

As business activities based on materiality, we are promoting cross-company new value creation, primarily in our focus business areas, through the evolution and cultivation of the strengths of DNP's unique Printing & Information (P&I).

Concurrently, we are strengthening our business base and thoroughly managing risks as we minimize negative impacts from the dual perspectives of increasing corporate value and strengthening business competitiveness.

Impact of extracted risks (variable factors) on business activities and reflecting these in business opportunities

	Risks (variables) closely associated with business activities	Expected impact on business	Reflect in business opportunities • Value creation centered on focus business areas, strengthening collaboration with partners • Commercialization/efficiency enhancement through Al innovation, accelerate Al utilization • Integration of cyberspace and physical space • Provision of highly reliable and transparent information • Strengthen IT governance, sophisticate security measures, etc.	
Economic risks	 Market changes, acceleration of development of new products and technologies Acceleration of DX and establishment of a global network, etc. Geopolitical influences, rapid changes in various economic indicators Changes in financial and information infrastructures Depletion of/shortages/restrictions on resources, etc. 	 Changes in business structure, intensifying competition in new businesses and development Human rights violations in using AI, spread of false information Stagnation and sudden changes in economic and consumer trends, changes in the supply and demand balance Intensifying threats to information security Impacts on stable procurement, soaring prices, etc. 		
Social risks	 Labor shortages, employment mobility Diversity, changing conditions for people to live comfortably Globalization of supply chains, geopolitical risks, etc. 	 Difficulties in securing and developing specialist human resources, rising labor expenses Diversification of values, awareneess of diversity Increasing supply chain risks, including human rights Strengthened regulations, manifestation of the impact of geopolitical risks, etc. 	 Build a robust human resources portfolio Eliminate labor shortages by improving operational efficiency Promote D&I, utilize diverse human resources, and respect the work environment and human rights Improve reliability by enhancing the transparency of the supply chain, etc. 	
Environment risks	 Intensifying disasters and increasing water risks due to climate change Accelerating plastic pollution and biodiversity loss Accelerating the transition to being nature positive, carbon neutrality and a circular economy Expanding environmentally positive markets, accelerating technology innovation, etc. 	 Suspension of operations and disruption of supply chains due to social infrastructure destruction Tightening of regulations on GHG emissions, etc. Expansion of reuse and recycling, rise in demand for switching to alternative materials Reforming business structure toward being nature positive Intensifying competition in new businesses and development, changing market trends, etc. 	 Deal with natural disasters through BCP and BCM, multiple production bases Provide low-carbon products, services and products made from alternative materials, and effectively utilize resources Expand markets through early technology development and product design changes, etc. 	



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activities, the value we can provide, and our strengths. Considering these external trends, DNP has specified the fou types of societies that it aims for, and to realize these we have specified what DNP should do and the value it should provide and identified these as materiality.								
ocial issues from the perspectives of market changes and megatrends akeholder as well as international frameworks such as SDGs, the GRI ems.								
rs ess partners, cation/research nizations, etc.	SDGs, the GRI Standards, S Global Compact, TCFD, TN	International frameworks considered SDGs, the GRI Standards, SASB Standards, United Nations Global Compact, TCFD, TNFD, UN Guiding Principles on Business and Human Rights, etc.						
porate Philosophy and Business Strategy, identification of short-, rtunities and an assessment of the impact of these on management, DNP for as its "better future" and has outlined what it should do to realize this								
vant internal divisions, external experts and outside directors. We identify and approval by the Sustainability Committee, Management Committee								
ere people can e comfortably	A society where people mutually respect each other	A society that realizes a balance between economic growth and the global environment						
proves the quality le and expands on veryone by fusing gital.	The DNP Group strives to create a place where all the people can play an active role by deepening mutual understanding and mutual recognition.	The DNP Group works to achieve nature-positive value chains by engaging in environmental preservation and reducing negative environmental impacts.						
ommunication								
	Mobility and indust	rial high-performance materials						
terfaces								
		Semiconductors						
ny of employees and strengthening of organizational capability / ignment and reskilling based on human resource portfolio								
	Promotion of D&I utilizing diverse individuality							
t of technological s of stable business DX infrastructure	strengths / Global rollout of es and cultural reform							
		Build a decarbonized society, a recycling-oriented society and a society in harmony with nature.						