Investors' Meeting for the DX Strategy

March 12, 2024



Strengthening business competitiveness and creating new value

DX Strategy Presentation

Contents

01 — Sumitomo Chemical's DX Strategy

02 — Foundation DX promotion = Strengthen the Management Base

03 — Leveraging DX to Strengthen Competitiveness

04 — Leveraging DX to Create New Value

05 — Accelerating into a new specialty chemical company

Sumitomo Chemical's DX Strategy



Leverage DX to accelerate reform and growth at Sumitomo Chemical

Sumitomo Chemical's reform and Growth

Create new value

Our strength **Diversity**





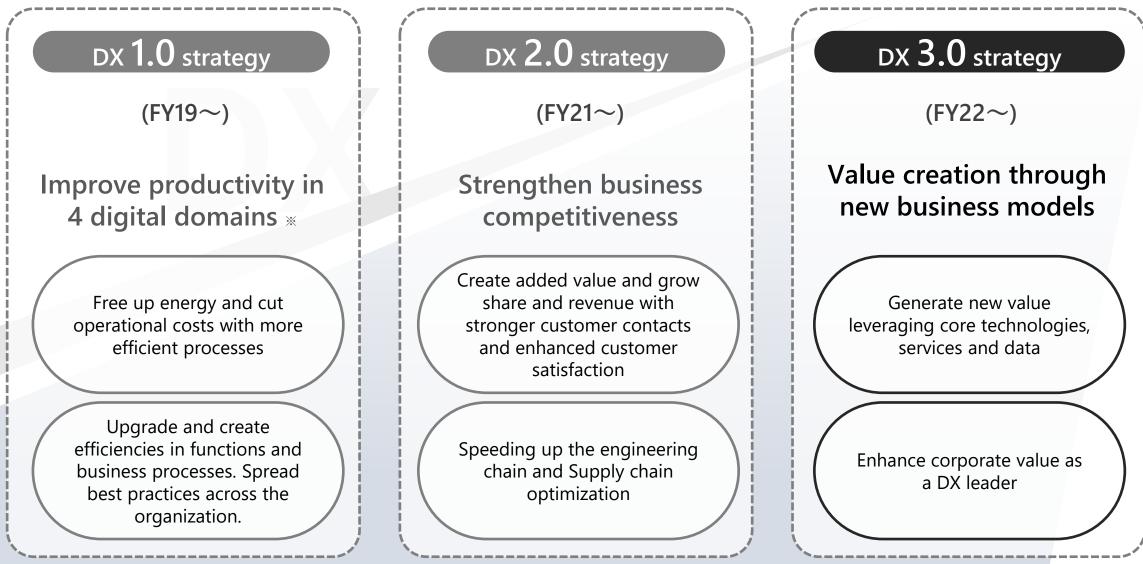
Strengthen management base



Three DX Strategies



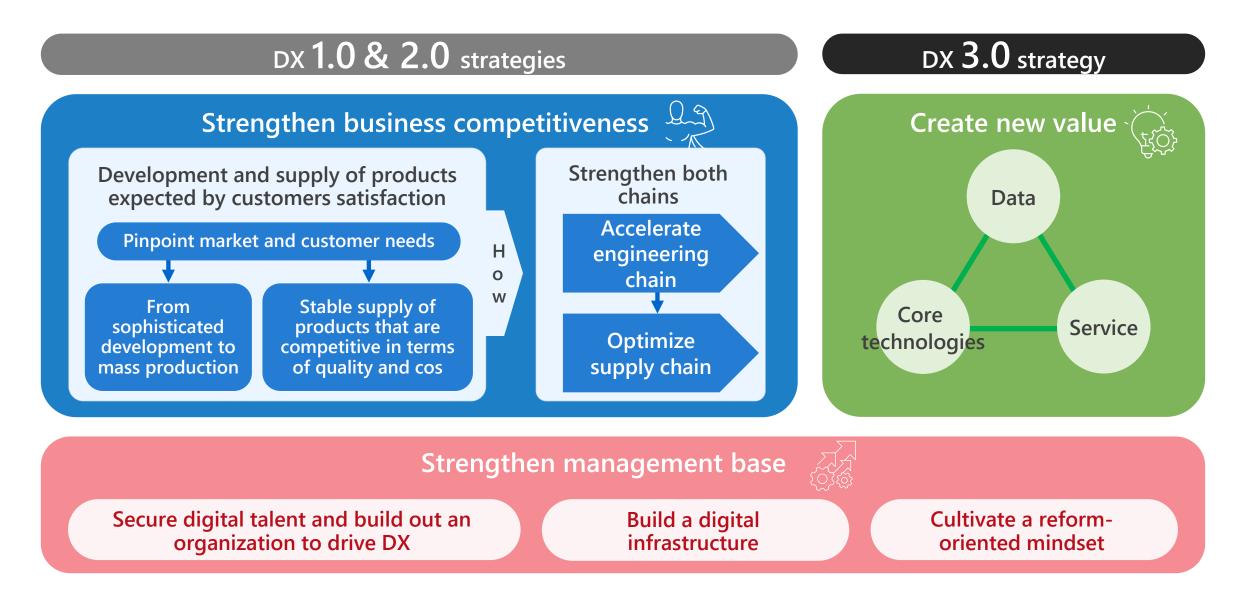
Create 3 competitive strategies including value creation through new business models



※:Plant, R&D, SCM, Office

Specific structure of DX strategy

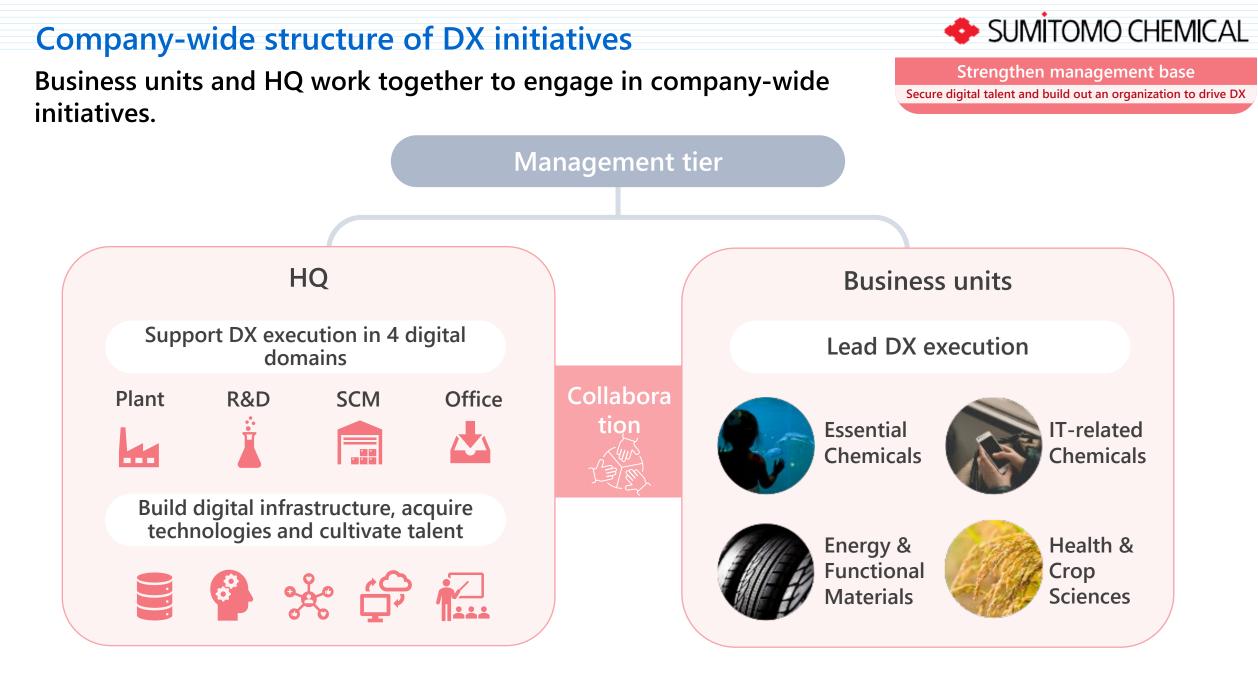




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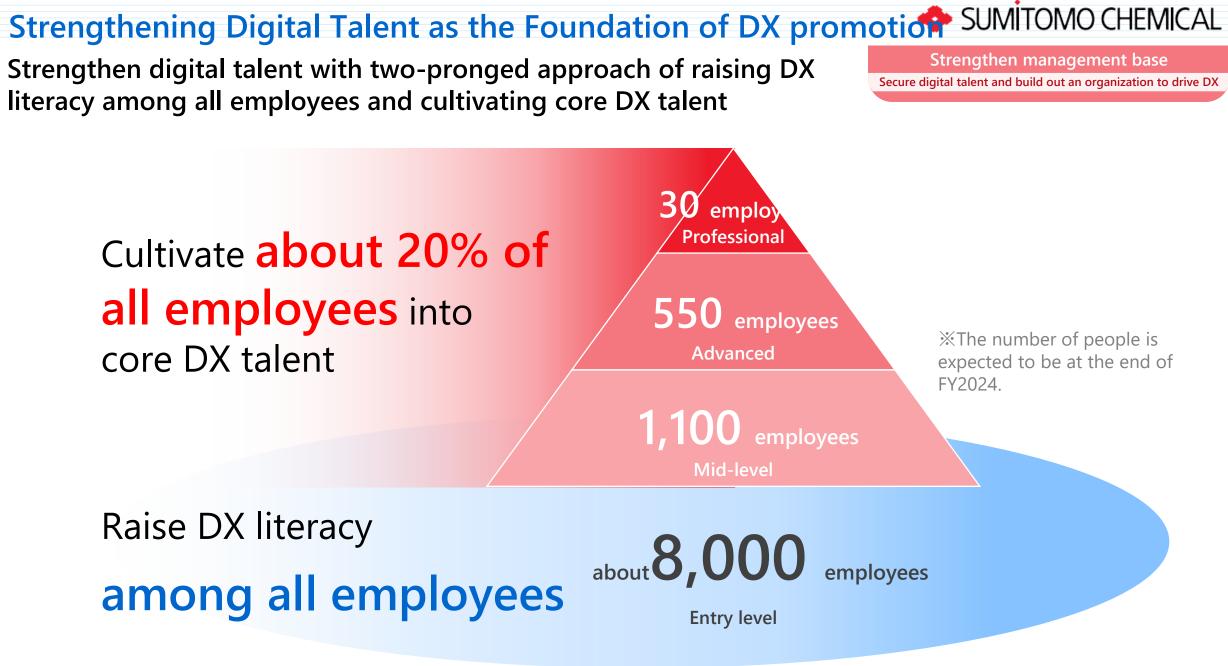
Strengthen organization for pursuing DX (HQ)

Implemented three strengthening measures to accelerate DX initiatives



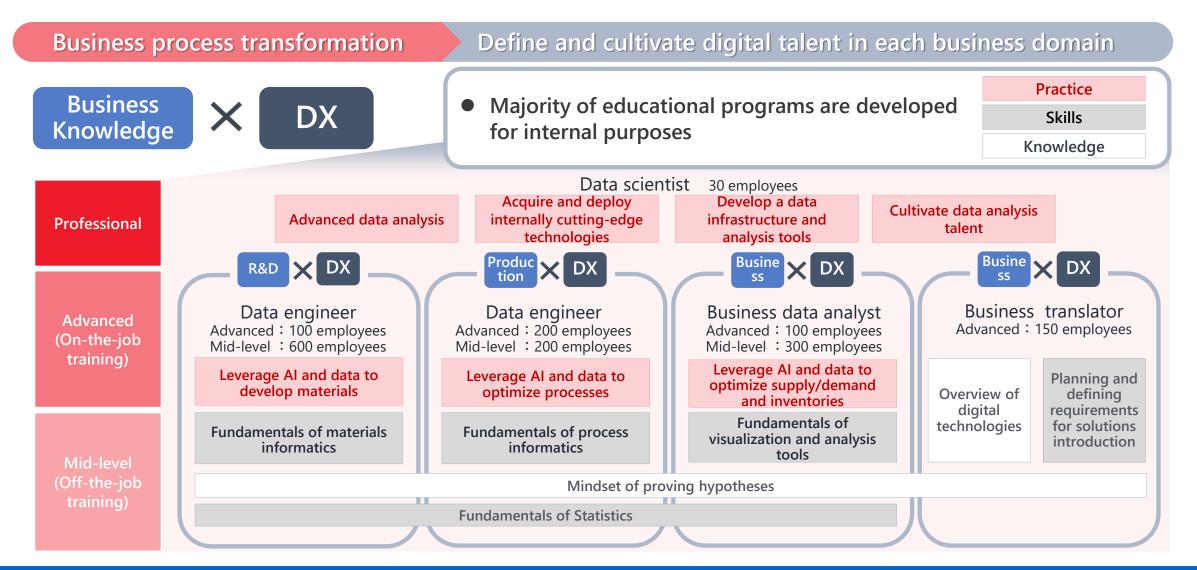
Strengthen management base Secure digital talent and build out an organization to drive DX

Aim	Strengthening measures	Role of the organization
Promote use of data companywide	Dedicated data science organization Newly created the Digital and Data Science Innovation Dept. (2019/4)	 Material development, process optimization, supply/demand and inventory optimization leveraging AI and data Build out database and analysis tools Cultivate appropriate talent
Accelerate the acquisition and internal deployment of advanced DX	A joint venture with Accenture Established SUMIKA DX ACCENT (2021/4)	 Leverage Accenture's know-how Validate the concepts and internal deployment of the newest digital technologies Cultivate digital talent
Accelerate the implementation of DX where IT is integrated into the business	Consolidate IT subsidiaries Bolster IT Innovation Dept. (2021/7)	 Develop, introduce, operate and maintain systems related to DX



An image of core DX talent

Combine DX skills with business knowledge in each domain to achieve business process transformation





Strengthen management base

Secure digital talent and build out an organization to drive DX

10

Digital and Data Science Innovation Dept. leadership



Strengthen management base Secure digital talent and build out an organization to drive DX





Shogo Kaneko Chemical Engineering, Ph.D.

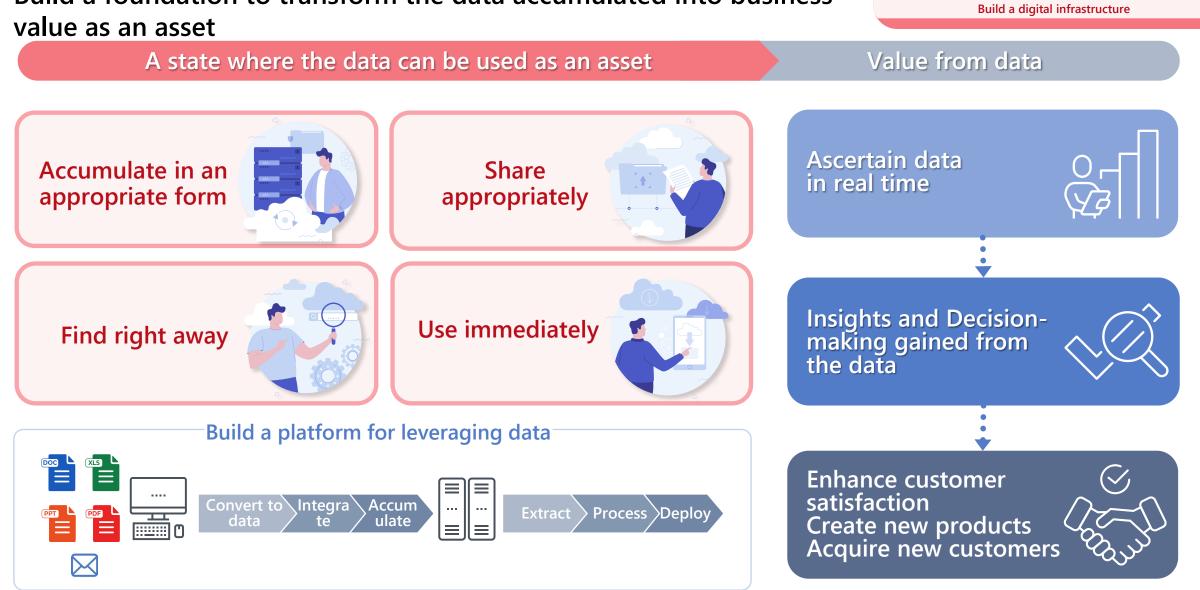
Joined Sumitomo Chemical in 2003.

Worked as a process engineer, gaining experience in research and production technology. In 2016, began promoting DX in the plant.

In 2019, became Digital and Data Science Innovation Dept. General Manager and led companywide DX projects.

Shinya Nishino Physical Engineering, Ph.D.

Joined Sumitomo Chemical in 2016 after gaining experience in academia and IT companies and garnering recognition as an Excellent Young Researcher by Japan's Ministry of Education, Culture, Sports, Science and Technology. Today in our Digital and Data Science Innovation Dept., leads companywide deployment of digital R&D and Materials Informatics (MI). In 2023, also began leading our Value-nauts[®] team dedicated to deploying DX 3.0 strategy.



Value creation through data capitalization

Build a foundation to transform the data accumulated into business

SUMÍTOMO CHEMICAL Strengthen management base

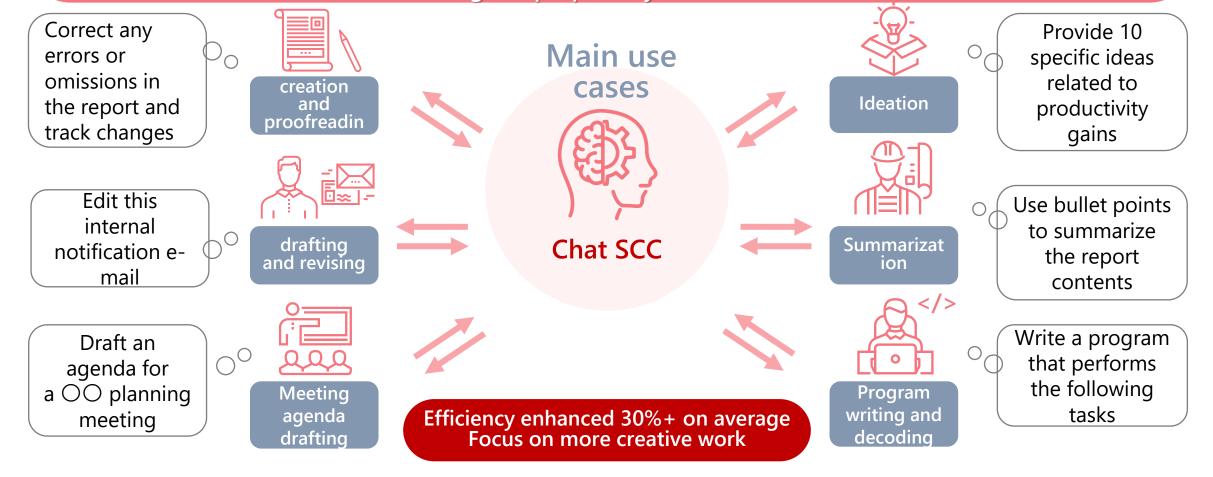
Leverage generative AI



Build an environment where all employees can leverage generative AI and achieve dramatic productivity gains

Strengthen management base Build a digital infrastructure

Introduced ChatSCC (Sumitomo Chemical's version of ChatGPT) in September 2023 A secure environment where information input will not be leaked externally makes it possible to integrate proprietary information



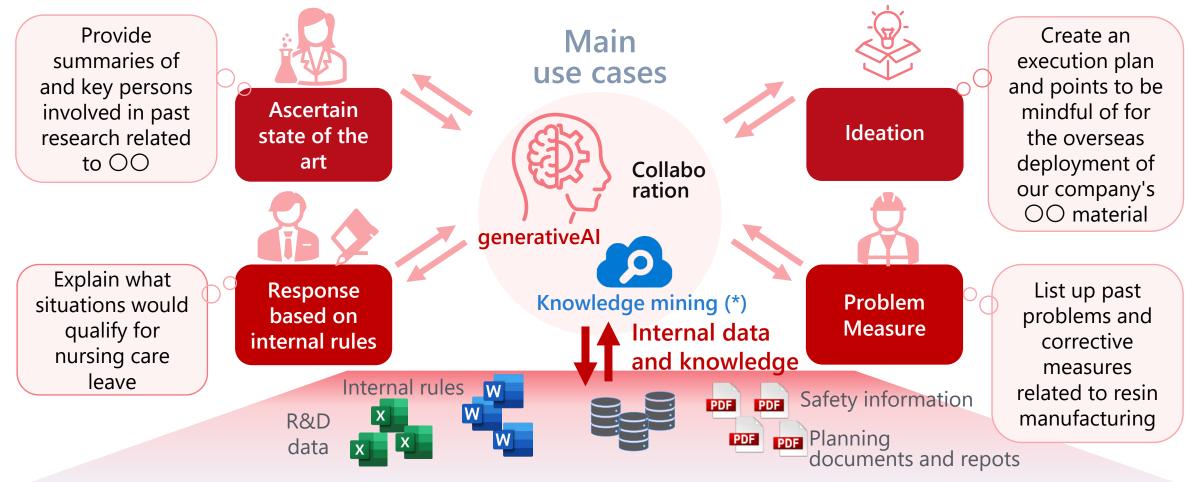
Further utilization of generative AI

Leverage massive volumes of internal data and knowledge, fuse with generative AI, and assist and accelerate specialized work processes



Strengthen management base Build a digital infrastructure

Introducing a Sumitomo Chemical version of knowledge mining



(*) Knowledge mining: The process of discovering and extracting valuable information and knowledge from vast volumes of data

Security initiatives



Strengthen management base

Build a digital infrastructure

Implement global and multifaceted security measures as a foundation for promoting digital transformation (DX).

Measure Category		Measure Description				
Organizational		 Build an information system security/control system security response framework. Establish a CSIRT (Computer Security Incident Response Team) to consolidate and respond to incidents globally 				
Systematic		 Create standards and standardization documentation related to security encompassing group companies Implement risk assessment, regular security self-checks and security internal audits encompassing group companies 				
Personnel		 Implement regular practice and traing to prepare for security incidents. As a preparation for human vulnerabilities, conduct targeted email training, awareness raising, and regular security education Cultivate advanced security professionals and participate in public-private training exercises. 				
Technological		 Implement measures to protect internal/external boundaries and strengthen authentication and access controls (Promote zero trust within IT systems) Strengthen response capabilities through network measures, endpoint measures, and the early detection and analysis of security incidents. 				
Physical	° I	 Leverage cloud services with comprehensive measures including log-in/out controls 				

X Our company, as an operator of critical infrastructure designated by the government (including sectors such as electricity, gas, water, and chemicals among the 14 categories), perceives cybersecurity as a management issue.

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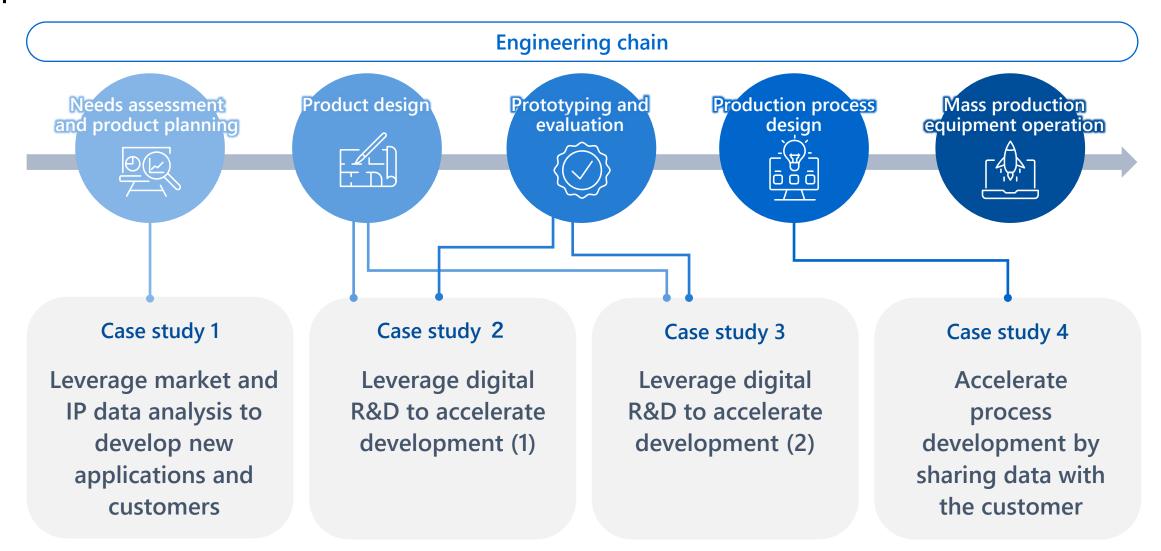
03 - Leveraging DX to Strengthen Competitiveness

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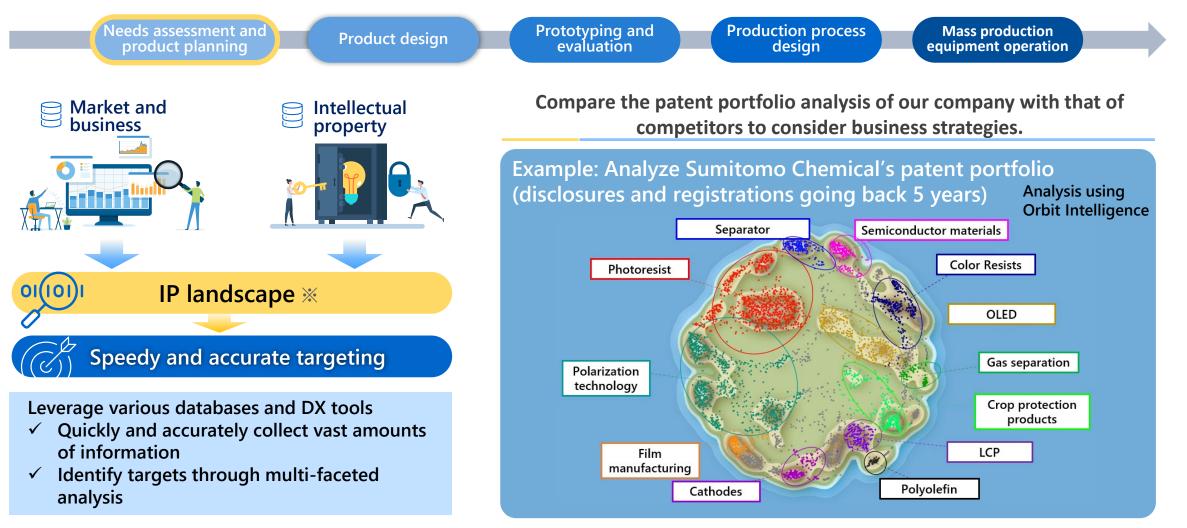
05 — Accelerating into a new specialty chemical company

Leverage DX to accelerate engineering chain

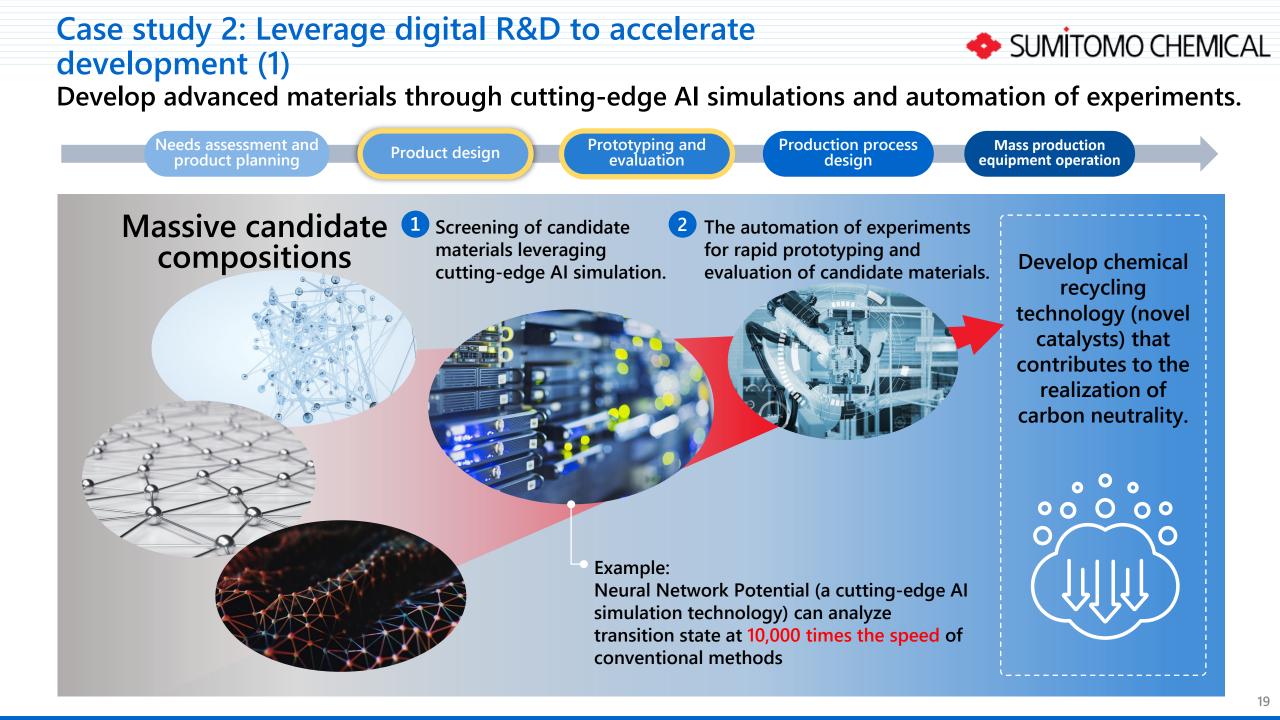
Pinpoint market and customer needs to accelerate the process from product planning to mass production.



Case study 1: Leverage market and IP data analysis to develop SUMITOMO CHEMICAL new applications and customers Integrated analysis of market and IP information to realize speedy and accurate targeting

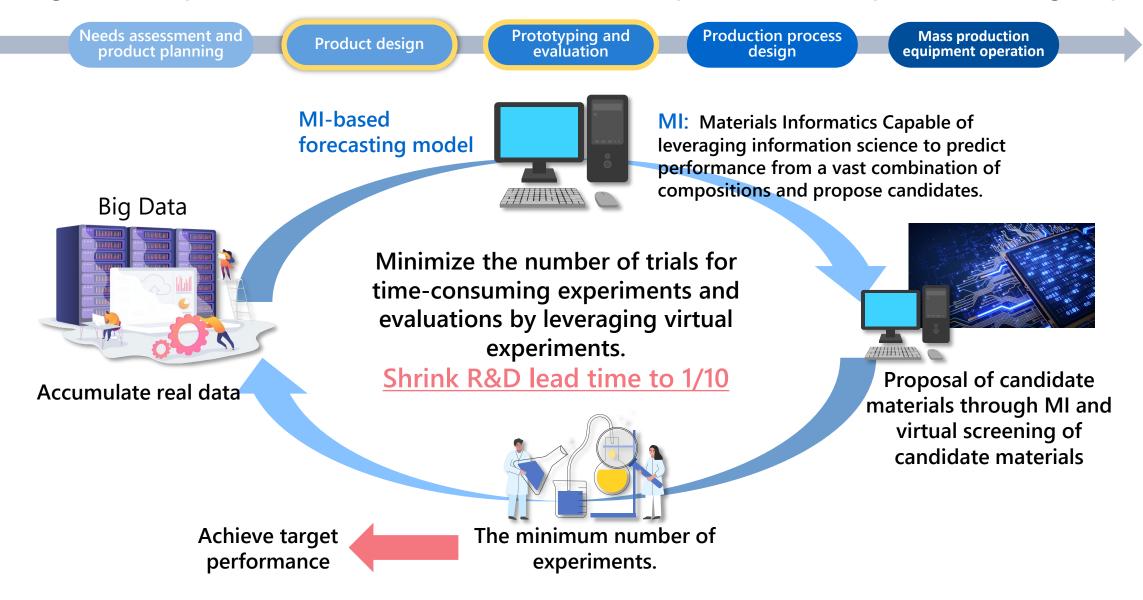


X The activity of integrating and analyzing both our own and other companies' intellectual property with market data, and visualizing the results to inform management and business strategies.



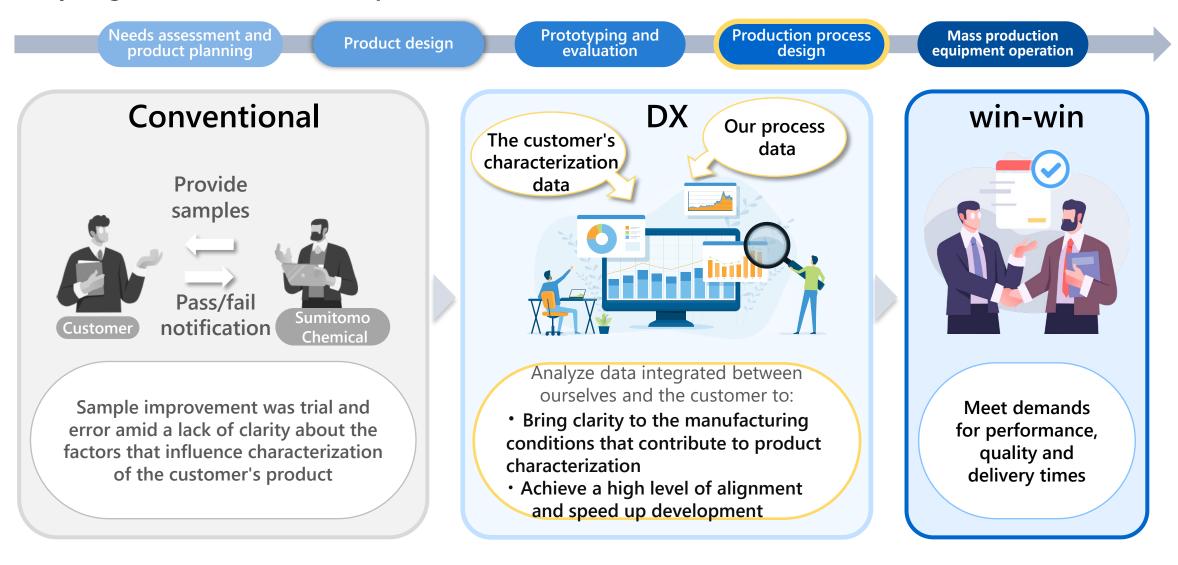
Case study 3: Leverage digital R&D to accelerate development (2)

Leverage virtual experiments in semiconductor materials development to achieve performance targets quickly



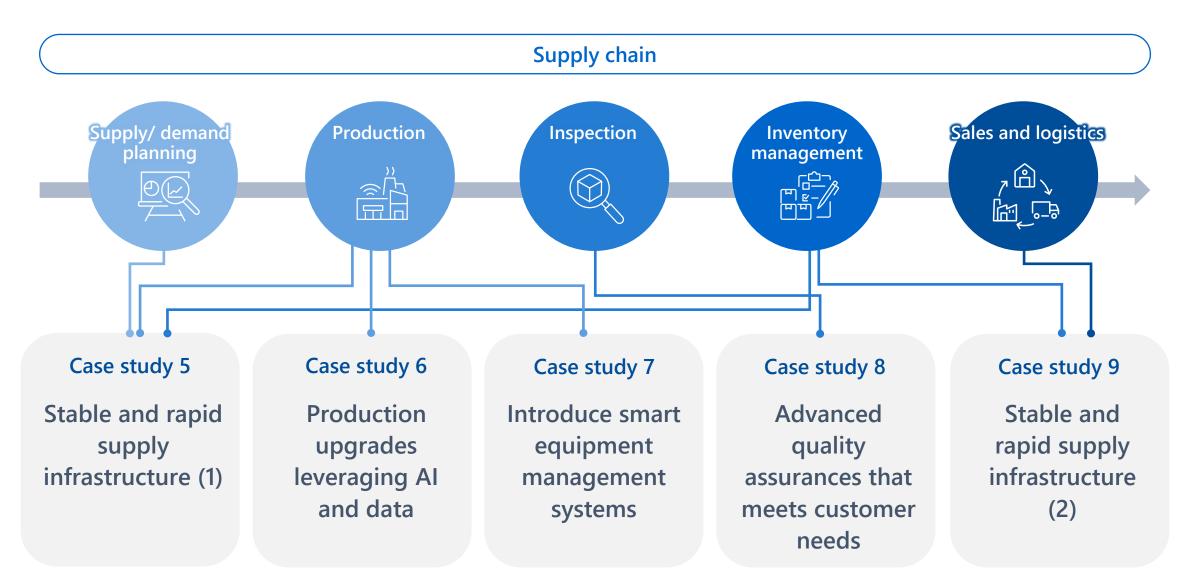
Case study 4: Accelerate process development by sharing data SUMITOMO CHEMICAL with the customer

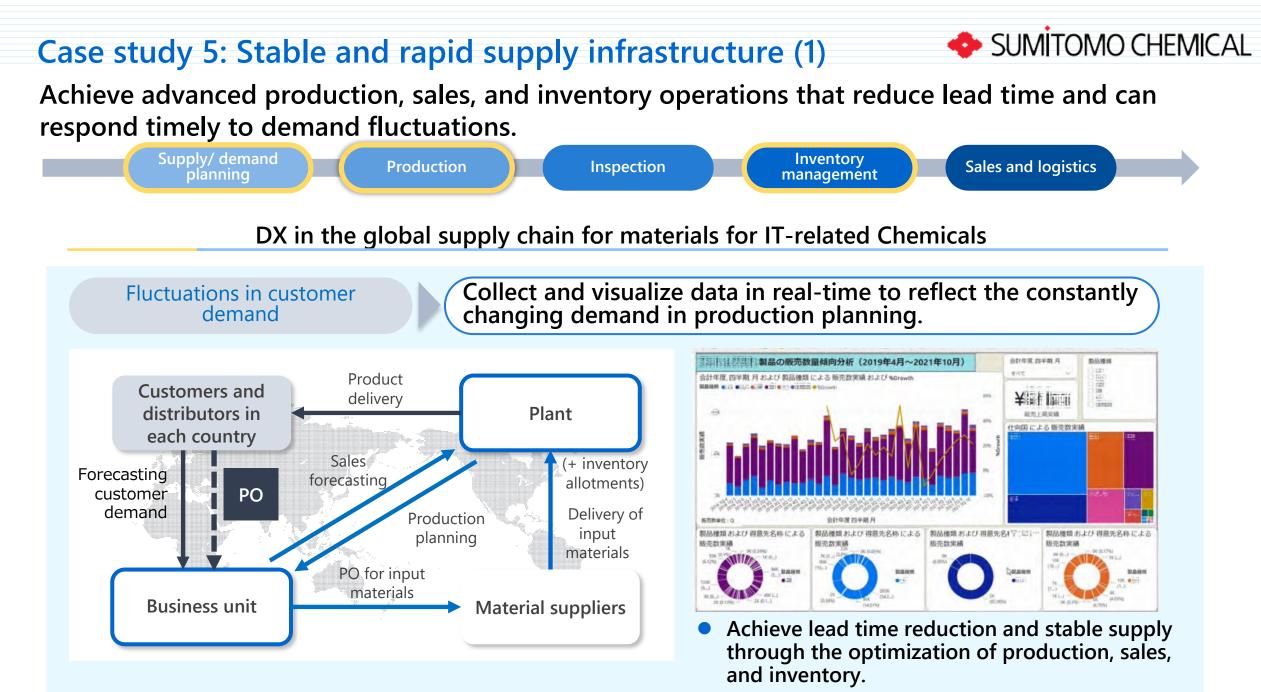
Achieve a high level of alignment by working together with the customer and integrating and analyzing data from both companies



Leverage DX to optimize the supply chain

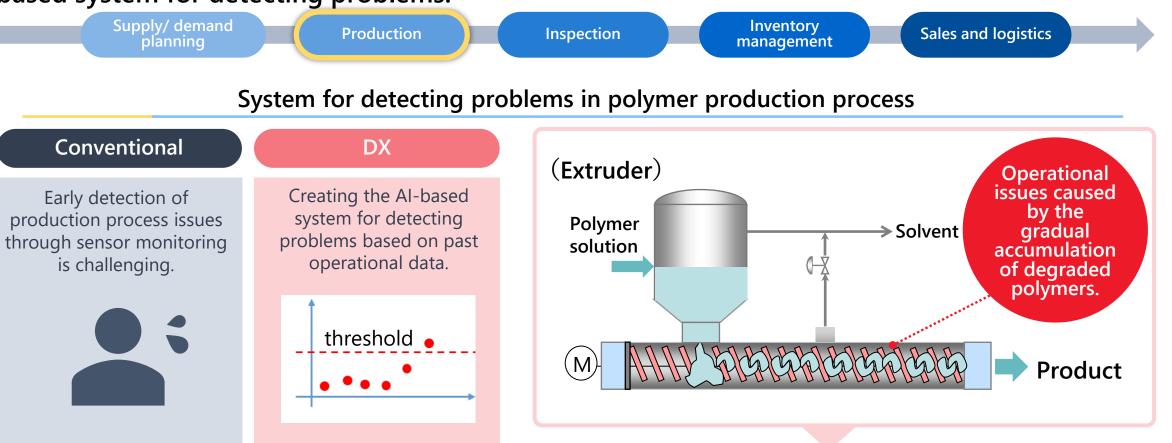
Build a supply chain that realizes stable supply and cost reductions and meets customer needs





Case study 6: Production process upgrades leveraging AI and data

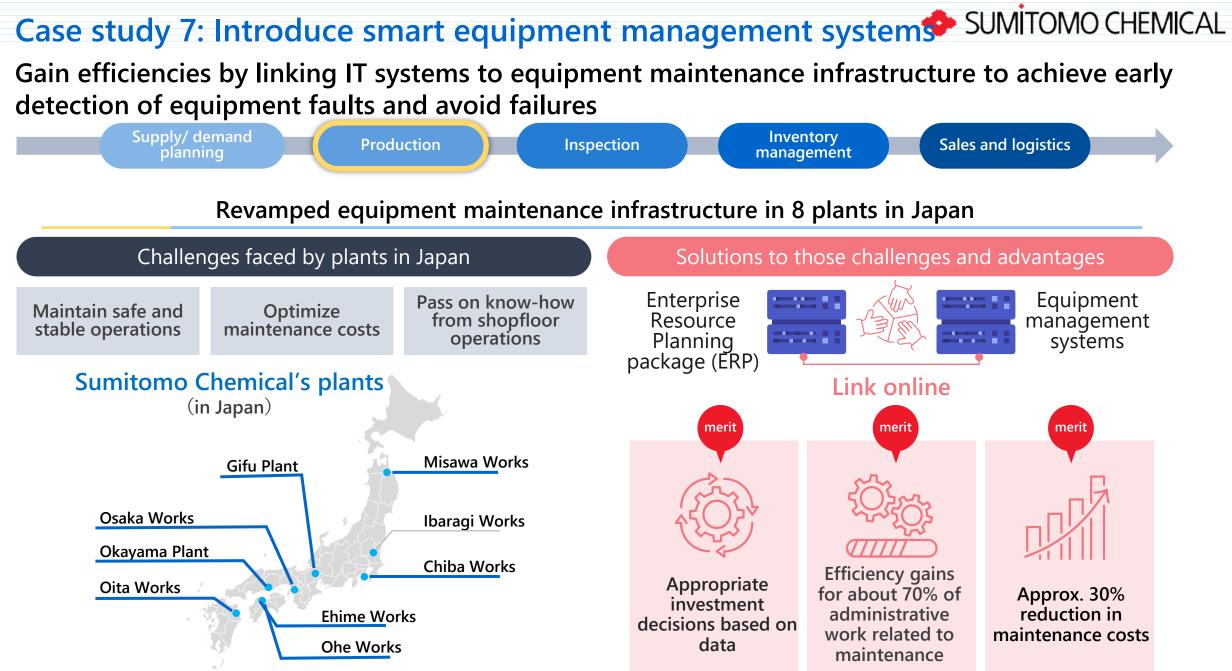
The early discovery of issues and minimization of process downtime are achieved through the Albased system for detecting problems.

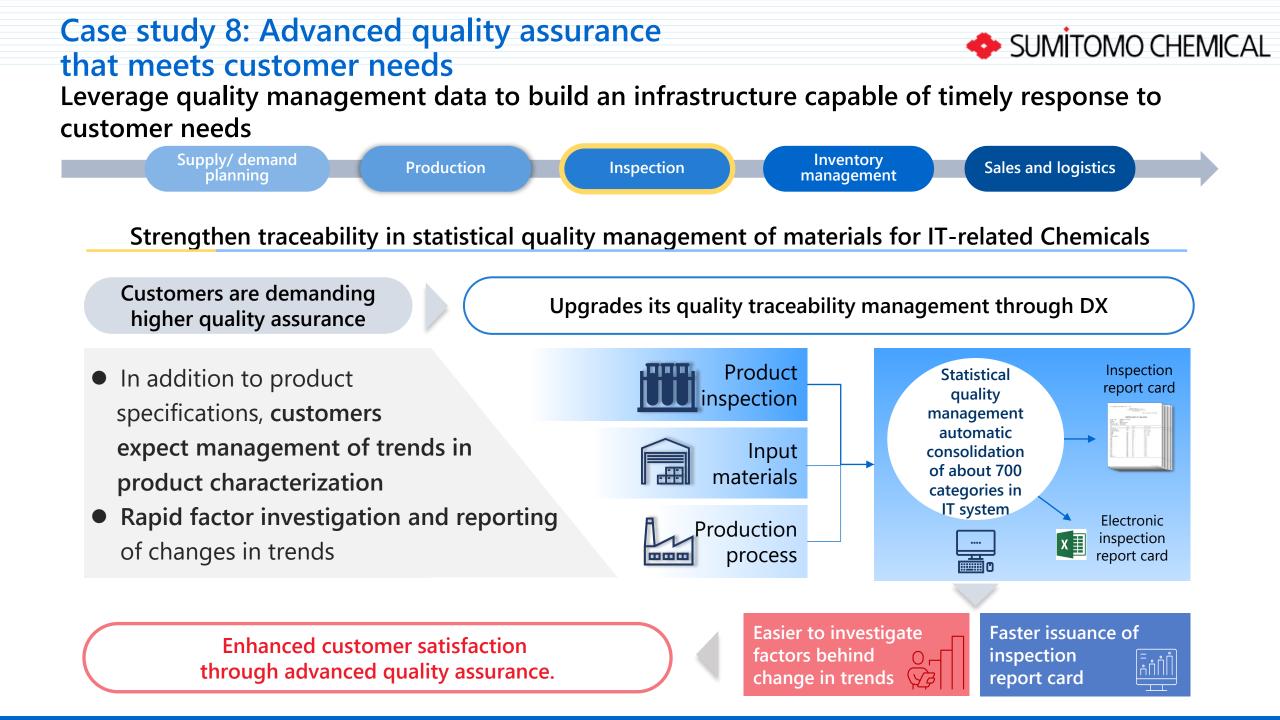


Prolonged process downtime due to the discovery and addressing of the problem after the fact. The system achieves the early discovery of issues and minimization of process downtime.



The minimization of process downtime averted product loss (about 50 million yen/year) from problems





Case study 9 : Stable and rapid supply infrastructure (2)

Realizing optimization of inventory volumes and allocations in relay warehouses according to customer sales forecasts.



DX Strategy Presentation

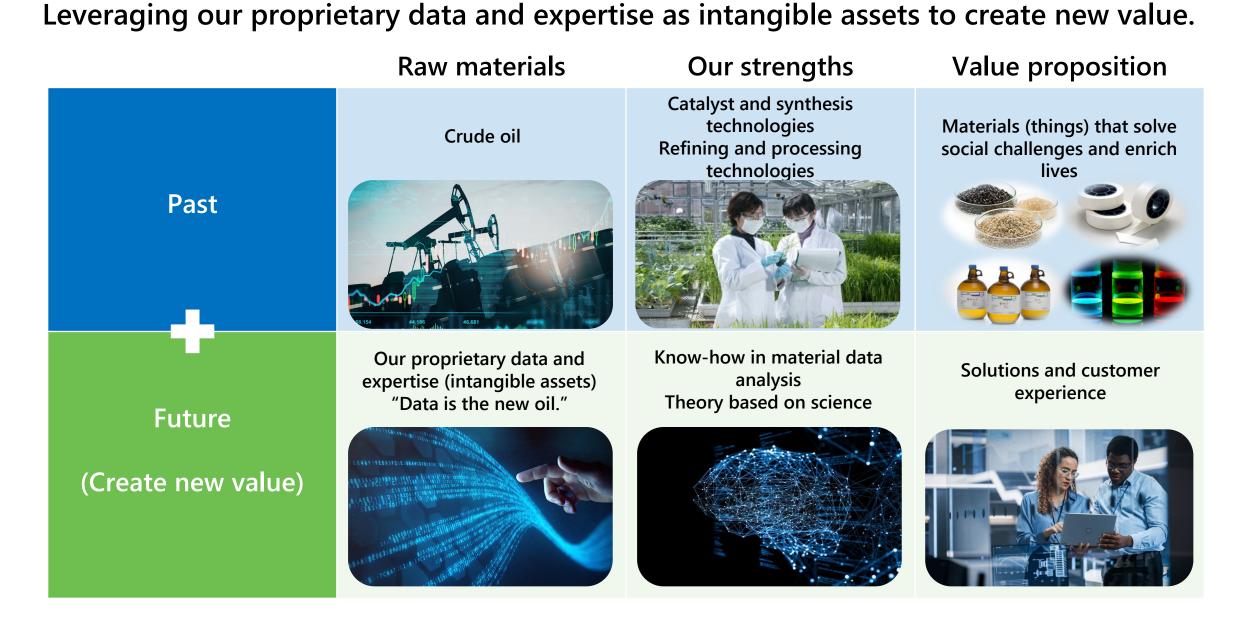
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Value creation through a new business model (DX 3.0 strategy) SUMITOMO CHEMICAL



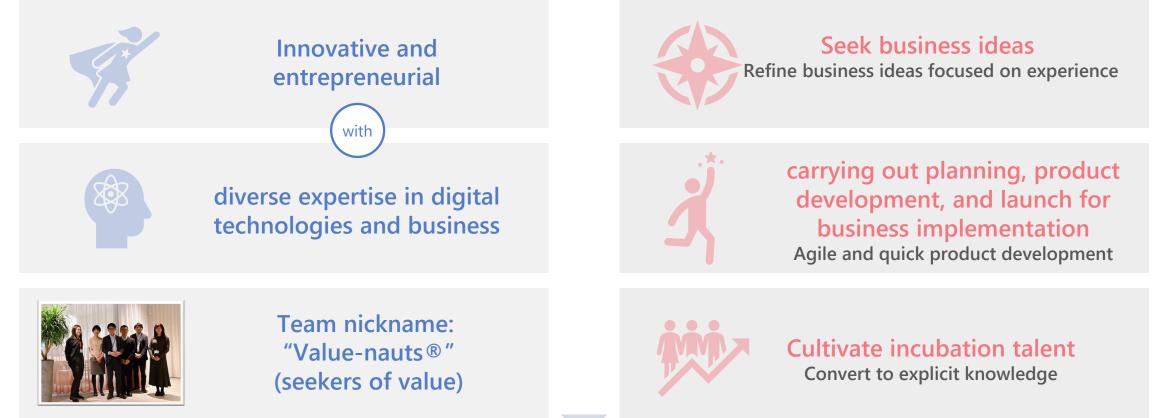
Initiatives of DX 3.0 Strategy

- Launched dedicated team through internal recruitment as an incubator for new business models (January 2023).
- Select promising ones from among an abundance of ideas. Plan commercialization, develop the product, and launch

Characteristics of the dedicated team

Role of the dedicated team

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Launched our first product one year after the initiative began

Generate new business models through DX 3.0 strategy

Digital networking platform for natural materials



Pronounced: "bee on dough"

Leverage Sumitomo Chemical's advanced chemical analysis technology and wealth of data to identify excellent functional ingredients included in natural materials and build out a database of materials identified to have new value. This is a platform where materials sellers and buyers can easily connect with each other.

19分析・レポートについて 素材障害データベースについて 取引表開転について よくあるご言

素材を売りたい人と買いたい人を

つなげる3つのサービス

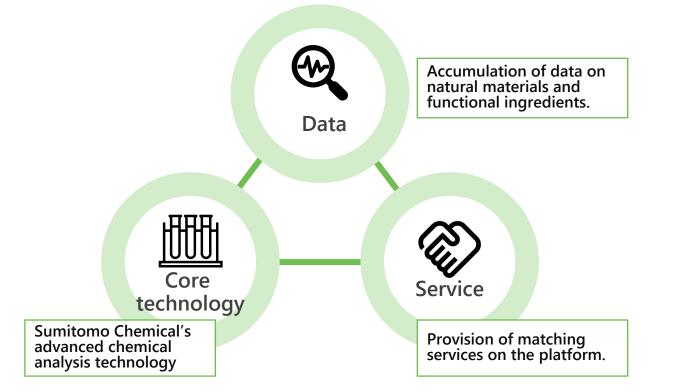
11 01 成分分析

02 素材検索

Bíondo

情報で天然素材と人をつなぐ

資源活用プラットフォーム



Screen while using the service

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(1823 12012 12012	7款量 251個档 7批時期 (化合物名)		2,500 円 / kg	父 最大會有量(m	(/101g)	最大ビーク国 加入して 6			

The value that we aim to provide through Biondo

Promoting the effective utilization and contributing to resource recycling through the discovery of new value in natural materials.

Examples of value loss in natural materials: food waste



Identifying new value in natural materials promotes a rethinking and recycling or upcycling of food resources that have gone to waste in mass volumes Examples of targets for value creation: growing health and beauty market

SUMÍTOMO CHEMICAL



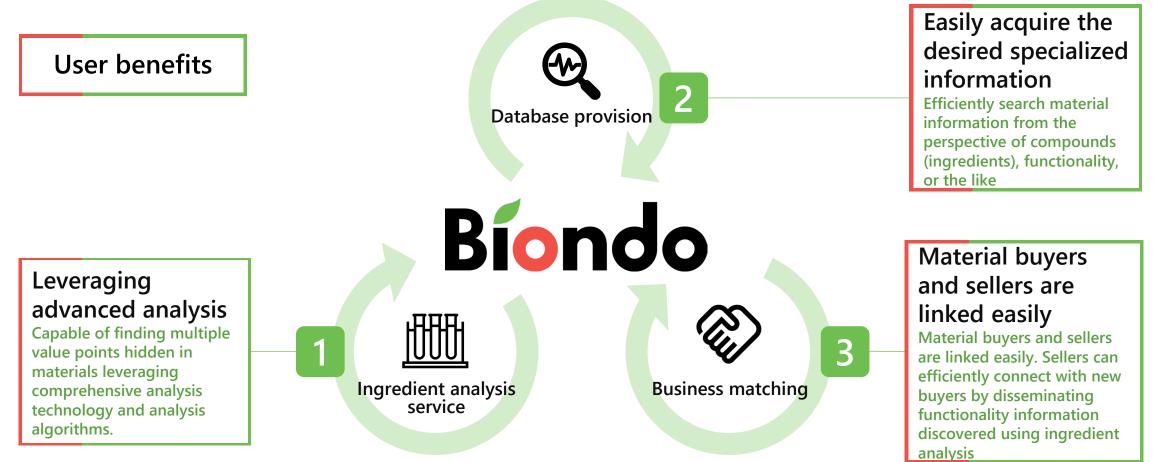
Analyze useful ingredients contained in natural materials and identify their excellent health functionalities to contribute to development and sales expansion of foods related to health and beauty.

*1 (Source): Consumer Affairs Agency, Reference Material Related to Food Loss Reduction (June 9, 2023 Version) Installment 2 *2 (Source) Fuji Keizai, Survey on the Domestic Market for Functional Foods, Foods for Specified Health Use, etc. 2022 market projections

Biondo service overview



Website integrates delivery of 3 types of services aimed at encouraging use of natural materials



Plan to open in July 2024

Thereafter, grow through repeated version upgrades based on user feedback

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Accelerate our rebirth into a specialty chemicals company

Leverage DX to upgrade management and realize business reform

Strengthen business competitiveness with rapid decision-making and agile action

Enhance productivity and creativity of humans through collaboration with AI and robots

Create new value

with new business models

Value creation leveraging data and know-how as assets Continually address change through innovative talent and organizations

> Cultivate mindsets where each employee drives reform

Accelerate our rebirth into a specialty chemicals company through our DX initiatives



Cautionary Statement

Statements made in this document with respect to Sumitomo Chemical's current plans, estimates, strategies and beliefs that are not historical facts are forward-looking statements about the future performance of Sumitomo Chemical. These statements are based on management's assumptions and beliefs in light of the information currently available to it and involve risks and uncertainties.

The important factors that could cause actual results to differ materially from those discussed in the forward-looking statements include, but are not limited to, general economic conditions in Sumitomo Chemical's markets; demand for, and competitive pricing pressure on, Sumitomo Chemical's products in the marketplace; Sumitomo Chemical's ability to continue to win acceptance for its products in these highly competitive markets; and movements of currency exchange rates.