



2021

DuPont Sustainability
In China

About this document

DuPont Sustainability in China, released by Du Pont China Holding Company Limited, is DuPont's inaugural publication introducing sustainability development of DuPont in China.

Reporting period:

June 1, 2019 – March 31, 2021.

Reporting scope:

The scope of this document includes facilities in China owned and operated by DuPont de Nemours, Inc. and its Consolidated Subsidiaries, including Du Pont China Holding Company Limited during the calendar year 2020.

Assurance:

The information provided herein is based on data DuPont believes to be accurate and reliable in all material respects. If there is any discrepancy between the Chinese version and the English version of this document, the Chinese version shall prevail. This document is subject to change without further notice.

Access:

This document is available in Chinese and English. For the electronic version, please visit our website: <https://www.dupont.cn/>.

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Letter from the Chief Technology and Sustainability Officer

At DuPont, our purpose is to empower our world with the essential innovations to thrive. Guided by an unwavering commitment to our core values, our global team of scientists, engineers and business leaders are working hard every day to deliver sustainable innovations that address global needs for clean water, advanced mobility, personal protection, shelter, healthcare and connectivity.

The influence of science—and sustainability—couldn't be more important to solve the world's biggest challenges, and to reimagine a future for a truly thriving world. At the end of 2019, we announced DuPont's 2030 Sustainability Goals. The nine goals, aligned with the United Nations Sustainable Development Goals, are ambitious, holistic, integrated and value-creating. It provides a clear path ahead of us and the necessary roadmap to guide us on how we grow and operate our business.

Our goals fall into three separate focus areas:

Innovate now: We commit to using our innovation and science expertise to meaningfully advance UN Sustainable Development Goals, enable a circular economy and apply sustainability in the design of our products and processes.

Protect now: We commit to sustainable operations by applying our core values and engineering capabilities to take action on climate by driving down greenhouse gas emissions, collaborating to implement holistic water strategies, and delivering world-class Environmental Health and Safety performance.

Empower now: We commit to improving the health and well-being of our people and communities, cultivating a workplace culture that values diversity and inclusion, while making impactful social contributions through the talents of our workforce, products and partnerships.



The power of science and technology to help solve some of the most complex challenges was evident from the earliest days of COVID-19 and underscores that innovation is the most substantive contribution DuPont can make toward a more sustainable world. I'm optimistic about the continued progress we'll achieve as we work side-by-side with our customers, communities and shareholders from around the globe and in China.

I invite you to read the first China Sustainability Report and learn more about how our innovations, products, operations and people globally, and in China, are making progress related to our goals. Our performance is built on collaborations with our many stakeholders, and we truly benefit from being partners in this important journey.

Alexa Dembek
Chief Technology & Sustainability Officer

Letter from the Asia Pacific Regional President

The year 2020 and the COVID-19 pandemic have brought unprecedented challenges to many aspects of business practices. But our commitment to partner and work closely with our customers, using innovation to bring sustainable local solutions has not changed.

The value of science and technology to address the needs of humanity has never been more evident than in 2020. In the early days of COVID-19, we deployed global supply capabilities to increase the allocation of protective garments to areas in China that needed the resources the most to fight against the pandemic. We have changed our business model to provide materials directly to China to quickly increase the supply of quality protective apparel. We have supplied bacteria-free, protective packaging materials to ensure COVID-19 vaccines are protected during long-distance transportation. We also supply key materials for modular construction of designated hospitals for the prevention and control of COVID-19 pandemic.

With China's reform and the preferential policies for opening to the international market, we have witnessed a continuous growth trend in China. As outlined in the 14th Five-Year Plan from the Chinese government and the ongoing social and economic development in China, we see challenges as well as opportunities. China is an important overseas market for DuPont and innovation is core to our sustainability strategy. Our commitment to the region is evident by our actions. In 2019, we expanded the Shanghai Innovation Center. And, in 2020, we established eight new laboratories addressing our major innovation platforms: high performance computing; clean water; advanced mobility and personal protection in the DuPont China R&D Center, all amid the COVID-19 pandemic. These projects are part of our long-term investment plan for China and our commitment to respond to customers with local solutions in a timely manner.

We're also committed to reducing the footprint of our operation cycle on the environment, and through product and technological innovation, by providing greener solutions for new energy vehicles, clean energy facilities, and low-carbon buildings to support carbon peaks and the carbon neutrality goal set by the China government.



Employee safety is one of our core values and ensuring the health and well-being of people is integrated into our sustainability strategy. We've supported employees with health guidance and our facilities team have made tireless efforts to ensure safe workplaces for our employees, especially during the pandemic. We're honored to receive the "2020 China Healthy Workplace" Award and are strong proponents of promoting diversity, equity and inclusion and diversity within our team collaborations. Building a thriving community is one of our sustainability goals as well and to that end, our employees have volunteered to join activities to help poverty alleviation, and support education among students in rural areas.

I would like to take this opportunity to express my sincere thanks to all our business partners for their partnership with us as we continue the journey of sustainable development in China and make progress to achieve DuPont's 2030 Sustainability Goals. Your support is instrumental as we fulfil our purpose – to empower the world with the essential innovations to thrive. As China continues to evolve, so does DuPont. Together through innovation, we can help building a truly thriving world and a more sustainable future.

Yi Zhang
Regional President, Asia Pacific

Our organization

About DuPont

DuPont headquartered in Wilmington, Delaware, is a global innovation leader with technology-based materials and solutions that help transform industries and everyday life by applying diverse science and expertise to help customers advance their best ideas and deliver essential innovations in key markets including electronics, transportation, building and construction, healthcare and worker safety. We are committed to being one of the world's most dynamic innovation drivers. Our community of scientists, engineers, visionaries and all our partners are working every day to turn possibilities into real world answers that help humanity thrive. Together, we are transforming industries and improving everyday life.

On February 1, 2021, DuPont completed the divestiture of the Nutrition & Biosciences business to International Flavors & Fragrance Inc. Following this divestiture, we changed our management and reporting structure ("2021 Segment Realignment"). Detailed information about the scale of our organization, businesses, markets served and geographical footprint can be found in 2020 Annual Report on Form 10-K filed with the U.S. Securities and Exchange Commission ("SEC") on February 12, 2021. Certain information in our 2020 Annual Report was recast to reflect the Nutrition & Biosciences business as discontinued operations and the 2021 Segment Realignment. See our current report on Form 8-K filed with the SEC on June 3, 2021.

In 2020, our technology served more than 15 major industries, including Electronics, Automotive, Industrial, Construction, Water, and Personal Protection and Defense.

DuPont's businesses

Electronics & Industrial

This segment includes three line of businesses - Industrial Solutions; Interconnect Solutions; Semiconductor Technologies. 2020 global revenue of this segment was \$4.7 billion.

Mobility & Materials

This segment includes three line of businesses - Advanced Solutions; Engineering Polymers; Performance Resins. 2020 global revenue of this segment was \$4.0 billion.

Water & Protection

This segment includes three line of businesses - Safety Solutions; Shelter Solutions; Water Solutions. 2020 global revenue of this segment was \$5.0 billion.

DuPont's core values

DuPont's purpose is empowering the world with the essential innovations to thrive by constantly discovering and delivering results that matter.

Our core values are the cornerstone of who we are and what we stand for. The core values also serve as the guidance for the exploration of new discoveries, creation of new products and development of new businesses in DuPont.



Safety and health

We are committed to protecting the safety and the health of our employees, our contractors, our customers, and the people in the communities where we operate.



Respect for people

We treat our employees and all our partners with professionalism, dignity, and respect, fostering an environment where people can contribute, innovate, and excel.



Highest ethical behavior

We conduct ourselves in accordance with the highest ethical standards, and in compliance with all applicable laws, always striving to be a respected corporate citizen worldwide.



Protecting the planet

We find science-enabled, sustainable solutions for our customers, always managing our businesses to protect the environment and preserve the earth's natural resources for today and for future generations.

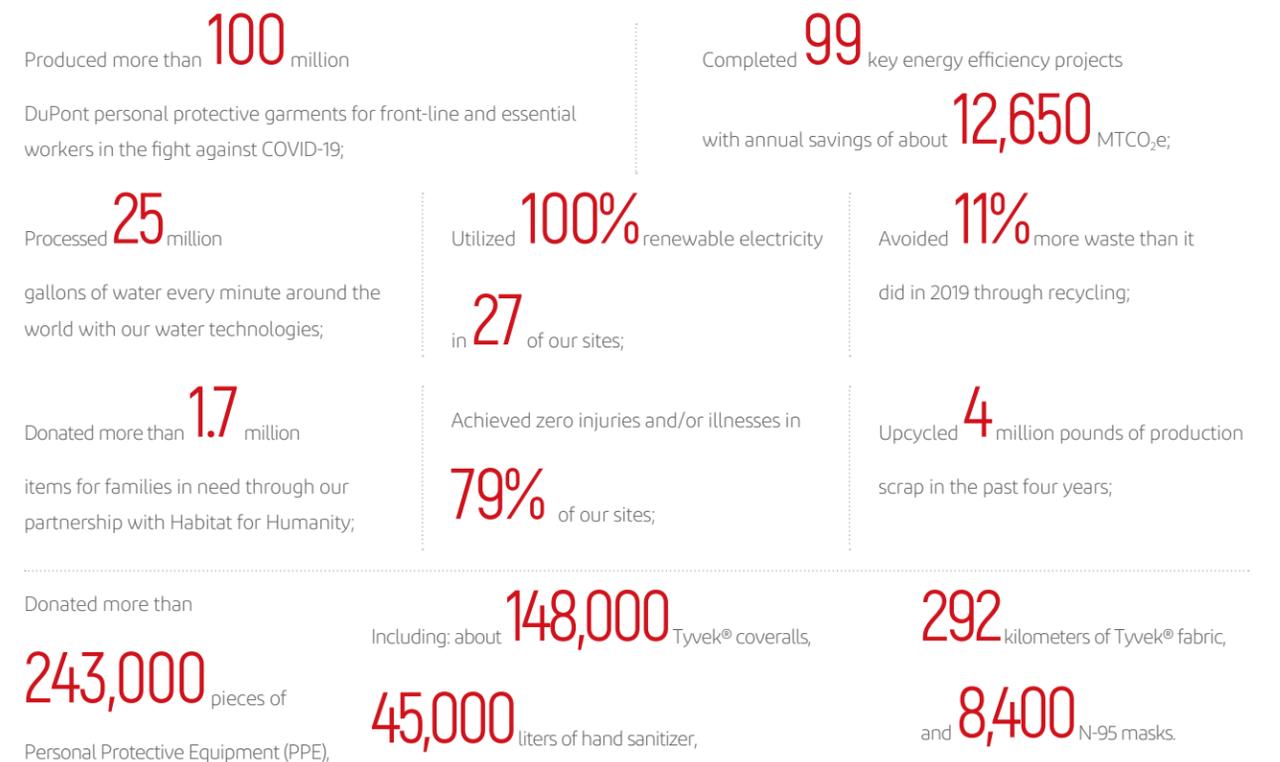
Core values of DuPont

DuPont code of conduct

DuPont upholds business ethics and pursues high-level compliance and integrity throughout our operations. All employees are expected to comply with the DuPont Code of Conduct, which serves as a standard of proper behaviors and value judgment (abbreviated as "the Code").

We ensure the communication and implementation of the Code through a series of measures. DuPont designed diversified empowerment courses on the Code and provides systematic training and assessment for employees; each DuPont function and business unit has an Ethics & Compliance Champion, who plays a key role in improving and advancing ethics and compliance within their part of the company.

In 2020, DuPont:*

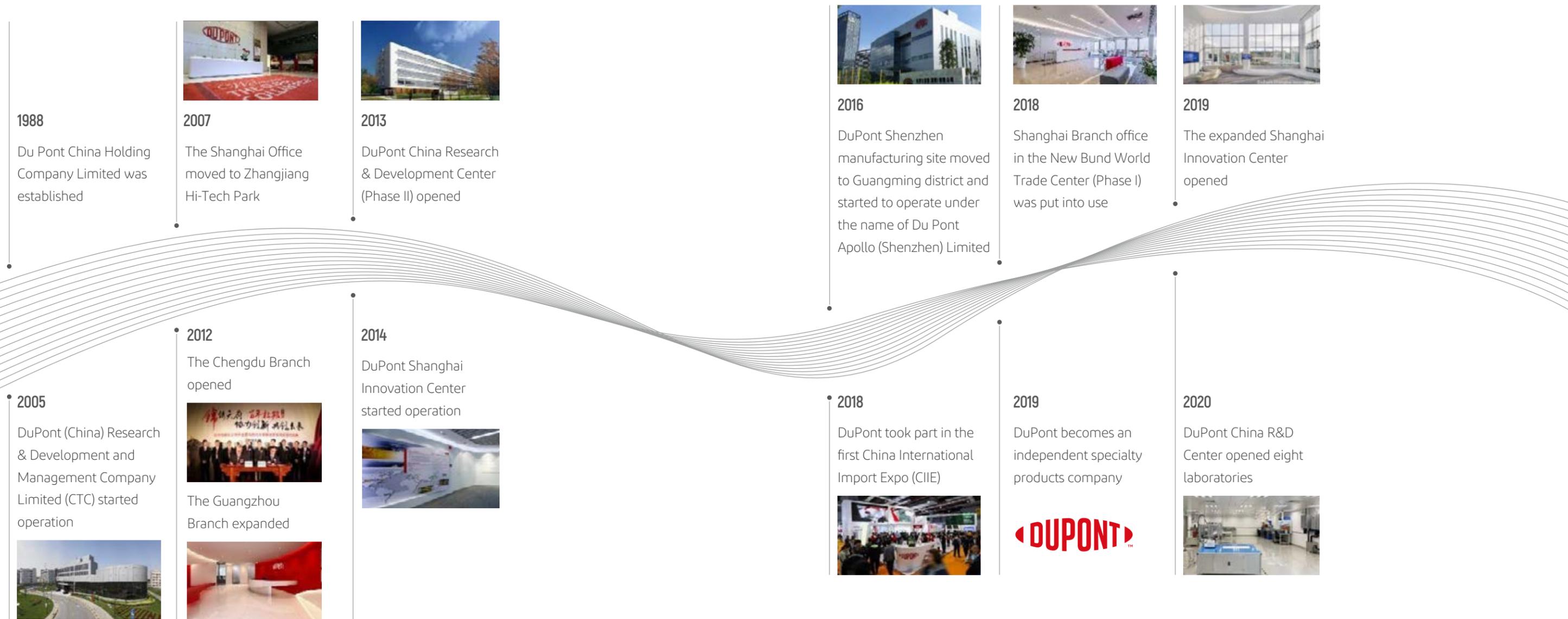


* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.

DuPont in China

DuPont has a long history in the China market. In 1988, Du Pont China Holding Company Limited was registered in Shenzhen, the first wholly-owned foreign investment company approved by the Chinese government.

As of March 31, 2021, DuPont had approximately 2,300 employees, two R&D Centers, one Innovation Center, and 10 production sites on the Chinese mainland. We offer products and services to various industries, including electronics, transportation, construction, water, health and wellness, and worker safety.

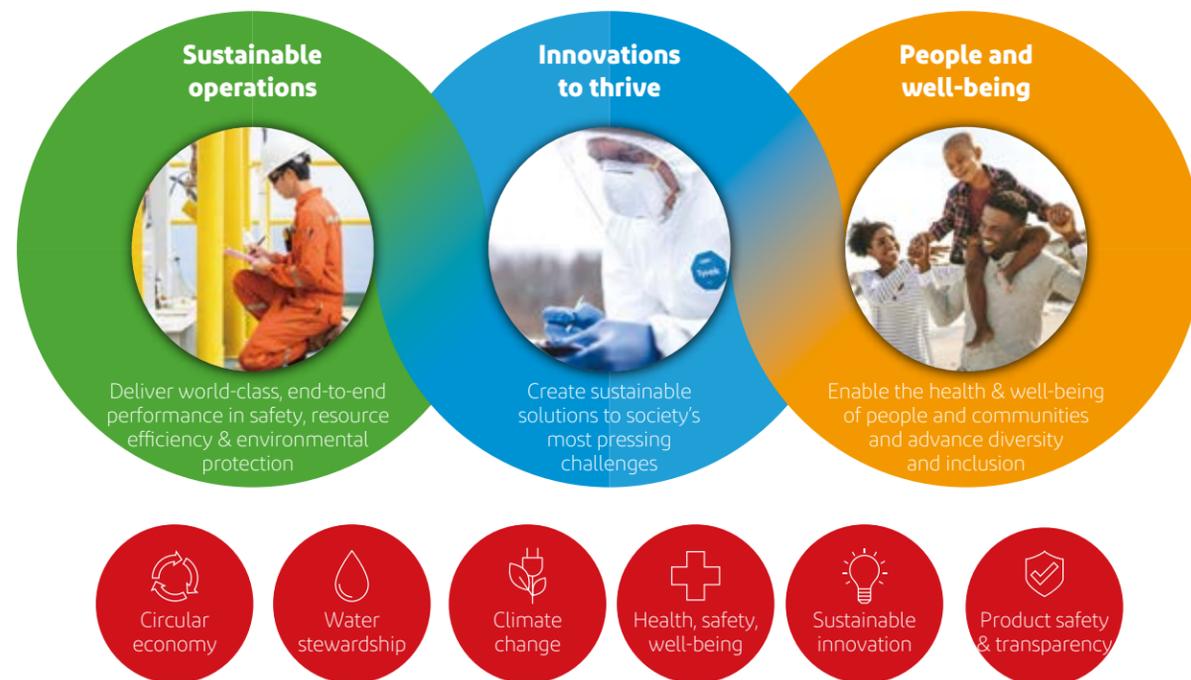


Our sustainability strategy

DuPont sustainability strategy

The pursuit of sustainability is what drives DuPont to fulfill our purpose of empowering the world with the essential innovations to thrive. We are committed to building a safer, healthier, and more sustainable future for all.

We identify six material sustainability topics through macro-policy analysis and industry benchmarking, as well as the integration of stakeholders' concerns and expectations. We are continuously exploring ways to contribute to these six areas by creating innovative products and solutions, ensuring green, circular production and operations, and building a diverse and inclusive working and living environment.



DuPont Sustainability Goals*

DuPont 2030 Sustainability Goals, announced in October 2019, continue to shape our innovation agenda and processes. We designed the goals to be challenging – to provoke technological breakthroughs and new ideas for addressing society's biggest challenges.

We are using the United Nation's Sustainable Development Goals (SDGs) as a guiding set of principles to understand what the world needs action on now. The SDGs and our sustainability goals will continue to be signals of global sustainability challenges for our scientists and engineers to work toward solving.

Innovate Now - Create sustainable innovations to help society thrive and address its most pressing challenges

Goal 1

Delivering solutions for global challenges - Align 100% of DuPont's innovation portfolio to meaningfully advance the UN SDGs and create value for our customers.



Goal 2

Enabling a circular economy - Integrate circular economy principles into our business models considering lifecycle impacts in the markets we serve.



Goal 3

Innovating safer by design - Design 100% of our products and processes using sustainability criteria including the principles of green chemistry.



* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.

Protect Now – Operate sustainably by delivering world-class, end-to-end performance in safety, resource efficiency and environmental protection

Goal 4

Acting on climate - Reduce greenhouse gas (GHGs) emissions 30%, including sourcing 60% of electricity from renewable energy, and deliver carbon neutral operations by 2050 or sooner.



Goal 5

Leading water stewardship - Implement holistic water strategies across all facilities, prioritizing manufacturing plants and communities in high-risk watersheds; and enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships.



Goal 6

Delivering world-class health and safety - Further our commitment to zero injuries, occupational illnesses, and incidents.



Empower Now - Enable the health and well-being of people and communities and advance diversity, equity and inclusion

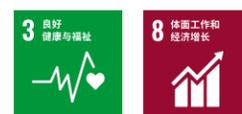
Goal 7

Accelerating diversity, equity, and inclusion - Become one of the world's most inclusive companies, with diversity well ahead of industry benchmarks.



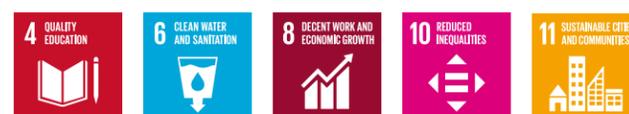
Goal 8

Cultivating well-being and fulfillment - Create a workplace where employees report high levels of well-being and fulfillment.



Goal 9

Building thriving communities - Improve over 100 million lives through targeted social impact programs.



Stakeholder engagement*

DuPont cannot achieve sustainable development without stakeholder engagement and support. Therefore, we maintain close communication with our stakeholders, and actively address their concerns by identifying their expectations, and continuously improving communication channels and methods.

Stakeholder group	Feedback priorities	How we address stakeholder needs
 Government	<ul style="list-style-type: none"> Compliance management Tax compliance Win-win cooperation Green and low-carbon development 	<ul style="list-style-type: none"> We actively respond to policies at all levels We cooperate with the government and competent authorities We maintain our Business Code of Conduct We contribute to the fight against COVID-19
 Customers	<ul style="list-style-type: none"> Product safety and quality GHG emissions and energy consumption Business ethics controls 	<ul style="list-style-type: none"> We maintain ISO 9001 certifications at approximately 75% of our global manufacturing operations currently, and specialized product quality certifications at the rest We work to advance our Acting on Climate goal We maintain our Business Code of Conduct
 Shareholders	<ul style="list-style-type: none"> Transparency in reporting and performance Business-integrated sustainability strategy Engagement on key ESG issues 	<ul style="list-style-type: none"> We issue our annual sustainability report in line with GRI, SASB, and UNGP standards We engage investors directly on our sustainability performance via online and offline channels
 Employees	<ul style="list-style-type: none"> Information on company sustainability initiatives Opportunities to influence sustainability strategy Opportunities to advance company and business-level sustainability goals 	<ul style="list-style-type: none"> We issue periodic, targeted and company-wide employee communications on developments in our sustainability strategy We maintain company-wide, business and site-specific employee sustainability networks that work to advance various aspects of sustainability in their work We maintain internal and external resources portals for employees to learn more information on our goals, performance and the sustainability concepts that underpin our strategy
 NGOs and Communities	<ul style="list-style-type: none"> Collaborative partnerships that create shared value for the community, the NGO, and DuPont Charitable donations Volunteering Environmental protection 	In 2020, we: <ul style="list-style-type: none"> renewed our corporate partnership with Habitat for Humanity International issued 90+ grants to organizations in 20+ countries launched a grant management system to help track grant applications and outcomes developed a volunteer management tool to help promote and track DuPont's global volunteer activity allocated resources to contribute to the battle against the pandemic
 Suppliers and Partners	<ul style="list-style-type: none"> Fair procurement Joint sustainable development 	<ul style="list-style-type: none"> We are leveraging third-party assessment platform EcoVadis and evolving our internal processes to develop a strategic supplier engagement program that emphasizes ESG risks We actively engage ourselves in industry activities to boost industry prosperity

* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.

Protecting heroes via innovation in the fight against COVID-19



In the face of COVID-19, an unprecedented global pandemic, DuPont responded with speed in January 2020. Our purpose — to empower the world with the essential innovations to thrive — never seemed too pressing. We collaborated with customers and across industries to support the allocation and delivery of much-needed medical supplies and protective equipment. We banded together and focused on necessary changes to allocate raw materials directly to China to meet local needs. We also worked hard to meet the extraordinary demand for protective garments as quickly as possible. Under the coordination of government, we collaborated with select partners to protect our frontline heroes amid the fight against COVID-19.



By the end of 2020,

DuPont delivered **100** million protective garments worldwide*

Coordinated the delivery of protective garments and other protective equipment from **12** countries and regions to meet all global needs

Provided more than **6** million pieces of protective garments for front-line medical workers in China

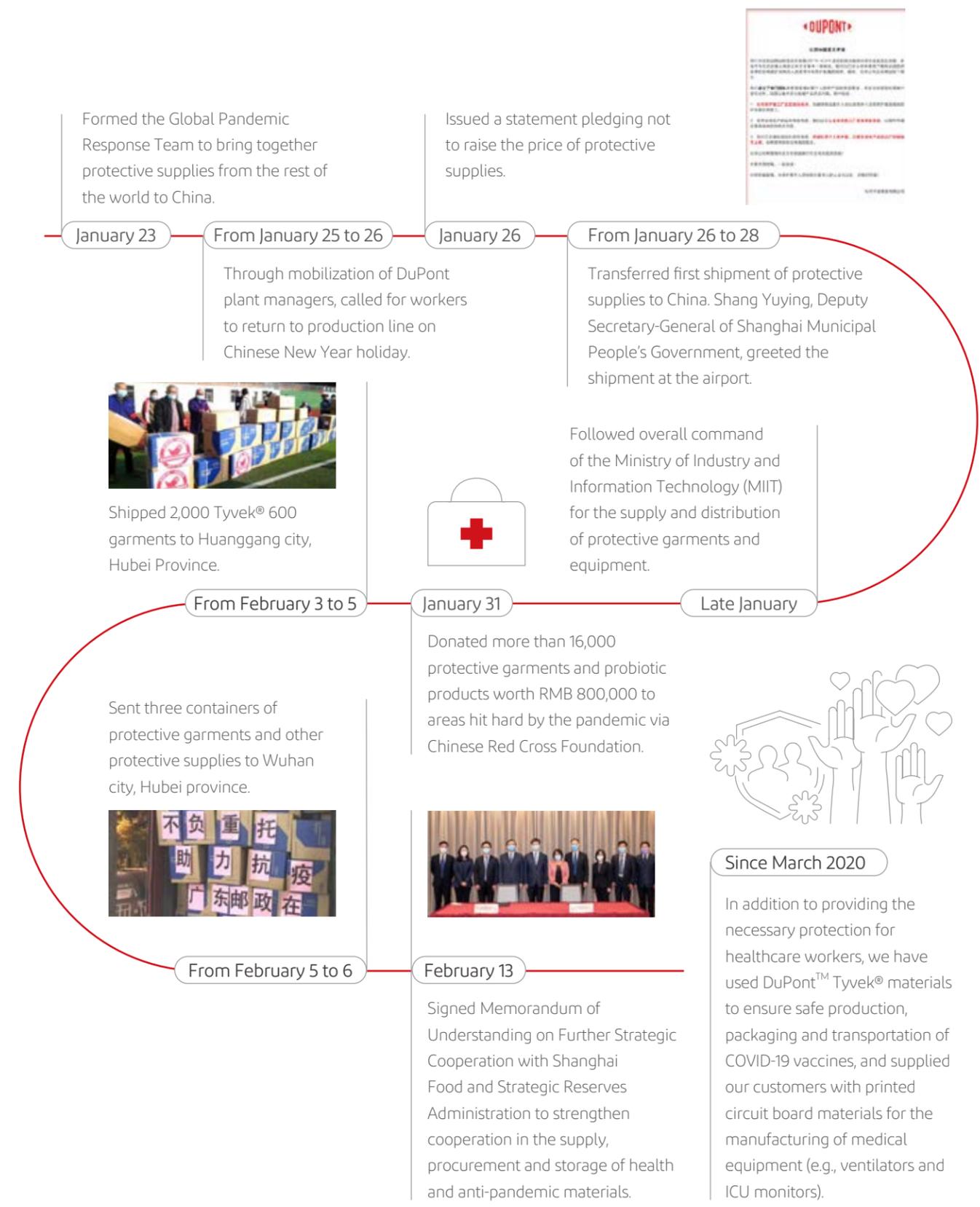
Provided **800** metric tons of protective garment fabrics to our selected factories in China

Donated materials with the total value of more than RMB **2.55** million to the China Red Cross Foundation

Protecting heroes from overseas and China

At the beginning of 2020, to meet the urgent need for protective supplies across China, we responded quickly, deploying global resources within four weeks to ensure the timely transport of protective supplies to China, and to front-line workers and first responders.

* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.



Since March 2020

In addition to providing the necessary protection for healthcare workers, we have used DuPont™ Tyvek® materials to ensure safe production, packaging and transportation of COVID-19 vaccines, and supplied our customers with printed circuit board materials for the manufacturing of medical equipment (e.g., ventilators and ICU monitors).

It's been a humbling journey. Our efforts in the fight against COVID-19 were recognized and recognized by the government and other authorities. DuPont also received letters of appreciation from the Medical Supplies Support Team under the Joint Prevention and Control Mechanism of the State Council, the Central Steering Group to Hubei and Other Severely Affected Areas, and Shanghai Municipal People's Government, in recognition of our strong support and close cooperation in supplying anti-pandemic materials.



Mr. Yi Zhang, Regional President, Asia Pacific of DuPont, was awarded the "Shanghai Magnolia Award" for 2020.



Du Pont China Holding Company Limited was awarded the honorary title of Shanghai Advanced Collective in the Fight Against COVID-19.



Appreciation Letter from the Medical Supplies Support Team of Joint Prevention and Control Mechanism of the State Council.



Appreciation Letter from the Central Steering Group to Hubei and Other Severely Affected Areas (Material Support Team).



Appreciation Letter from Shanghai Municipal People's Government.

"In response to the demand of the Medical Supplies Support Team of the Joint Prevention and Control Mechanism of the State Council, your company urgently coordinated the production capacity of protective garments in factories in Vietnam, Cambodia and other countries and regions, and supplied the Team with nearly 400,000 sets of protective garments, over 200 metric tons of protective clothing fabrics and other materials in February. Your company has played an important role in ensuring the supply of medical materials to Wuhan city and other key areas."

—Medical Supplies Support Team of the Joint Prevention and Control Mechanism of the State Council

"At the beginning of the fight against COVID-19 in China, DuPont China donated goods and materials worth more than RMB 2.55 million, including 16,000 protective garments and probiotic products worth RMB 800,000 to the areas badly affected by the pandemic. At the same time, the company overcame difficulties in production and raw material supply. DuPont China urgently deployed supplies, resumed production, and accelerated the production and supply of protective garments and other materials. Its all-out effort to ensure the supply of medical supplies in the fight against the pandemic has reflected our deep friendship and the responsibility of 'in China, for China' of foreign enterprises."

—Shanghai Municipal People's Government

Case Resuming production of protective supplies before the lunar New Year

After the outbreak of COVID-19, protective garments were in urgent need. In response to the gradual spread of the virus, DuPont, a provider of protective supplies, issued an urgent notice on the Kitchen God's Day (which falls the 23rd day of the 12th month in the Lunar calendar) of 2020, saying that DuPont must reserve some productivity to ensure supplies of protective garments.

Starting from January 25, DuPont mobilized plant managers to explain the situation to workers who were about to return to their hometowns, and try to persuade them to return to work with the promise of overtime pay, so that everyone made their contribution to the fight against the pandemic. Supported by the local government, DuPont's downstream plants stepped up their production efforts, working at full capacity to produce protective garments. To ensure a stable supply of protective supplies, DuPont also sent a special notice letter to dealers, promising not to increase the prices of their personal protective garments, masks and other related products. In this war without smoke, DuPont and their value chain partners worked together to protect those heroes.

Case Tyvek® assists in COVID-19 vaccine production, packaging and transportation

DuPont™ Tyvek® provides a range of cleanroom products that help protect against biological and chemical hazards in the vaccine manufacturing process and helps ensure that the finished products are safe and contaminant-free.

Tyvek® medical and pharmaceutical packaging was selected to package pre-filled syringes for COVID-19 vaccines because of its excellent tear resistance, durability, air permeability and the superior microbial barrier it provides. Safe and reliable, Tyvek® provides good protection for the vaccines by keeping the pre-filled syringes sterile and clean.

In addition, to reduce the impact of temperature changes on vaccines during air transportation, Tyvek® Cargo Covers were also selected by Sinovac Biotech Ltd. as the protective material for the export of COVID-19 vaccines.

"Tyvek® is proud to play a role in global vaccination as packaging materials for pre-filled syringes, helping people return to normal life. In the long term, we will continue to ensure priority supply of Tyvek® to important healthcare applications and remain committed to supporting our partners."

— John Richard
Vice President & General Manager of DuPont Safety Solutions



[Scan the QR Code to watch our documentary "Protect Those who Protect us, Tyvek® with You"]

Case Liveo™ silicone products for the prevention and treatment of COVID-19

DuPont™ Liveo™ Silicone Tubing was selected for single-use systems for COVID-19 vaccine production. In the R&D phase, DuPont quickly responded to the needs of two major COVID-19 vaccine manufacturers in China, providing technical consultation for the production process design, prioritizing samples, and coordinating the production process testing. DuPont also prioritized production and shipment to ensure the right amount of products were delivered on time. This had effectively shortened the cycle of process development and production and helped the COVID-19 vaccines to be officially launched by the end of December 2020.

As the market leader in silicone fluid for medical use, DuPont™ Liveo™ Medical Fluids help significantly reduce forces for needle puncture into the skin, thus greatly relieving the pain of patients. Liveo™ Medical Fluids are also used for COVID-19 vaccine syringes.

DuPont™ Liveo™ Silicone Elastomers feature high biosafety levels and meet the requirements of high-standard biocompatibility test, making them excellent accessory materials for ventilators and other therapeutic devices. During the COVID-19 outbreak, DuPont partnered with ventilator manufacturers to produce safe and reliable ventilators and help patients beat the virus.

Case DuPont Interconnect Solutions is committed to supplying key medical equipment for the fight against COVID-19

As the COVID-19 pandemic spread around the world, there was a global shortage of ventilators and other critical medical equipment. Our Interconnect Solutions business worked diligently to deploy resources that supported the production of medical equipment, and ramped up production of DuPont™ Pyralux® laminated circuit materials, DuPont™ Riston® dry film and metallization materials to support the manufacture of printed circuit boards that go into life-saving medical equipment. We have played a vital role in the global medical equipment supply chain by providing critical supplies to China, the United States, Europe and many other places, as well as by supporting the global production of medical equipment.

Our Innovations



DuPont 2030 Sustainability Goals

Goal 1: Align 100% of our innovation portfolio to meaningfully advance the UN SDGs and create value for our customers.

Goal 2: Integrate circular economy principles into our business models considering lifecycle impacts in the markets we serve.

Goal 3: Design 100% of our products and processes using sustainability criteria including the principles of green chemistry.

With the purpose to empower the world with the essential innovations to thrive, DuPont leverages on our strong innovation capabilities to advance the 2030 Sustainability Goals. Together with our stakeholders, we are using innovation to address common challenges and create a better world.

UN SDGs



Addressing global challenges through local innovation

The UN SDGs lay out a bold vision to ensure a just and sustainable world by 2030. Success will require massive investment and innovation across and between all sectors—and the solutions we create together hold the key.

DuPont is committed to achieve sustainable development for itself and the world through science-based, market-driven and inclusive innovation. As China is DuPont's important overseas market, we adopt a localized approach to technological innovation, delivering DuPont solutions for the sustainability of China, Asia, and the world.

Building a local innovation platform

In order to boost and enhance innovation in China, we have built the China Research & Development Center (CTC) and DuPont Shanghai Innovation Center. We continuously improve our facilities and gather resources from different parties, so DuPont local innovation will create more value for customers.

Advanced Mobility: Solutions to enable vehicle electrification	Clean Water: Solutions for global water challenges for purification, conservation, and reuse	High Performance Computing: Processing power fueled by advanced IC circuits for Ai, Smart Education, and Healthcare	Personal Protection: Advanced multi-threat protection with optimal comfort and durability	High Frequency Connectivity: Device and infrastructure connectivity solutions for fast, reliable transmission of vast quantities of data
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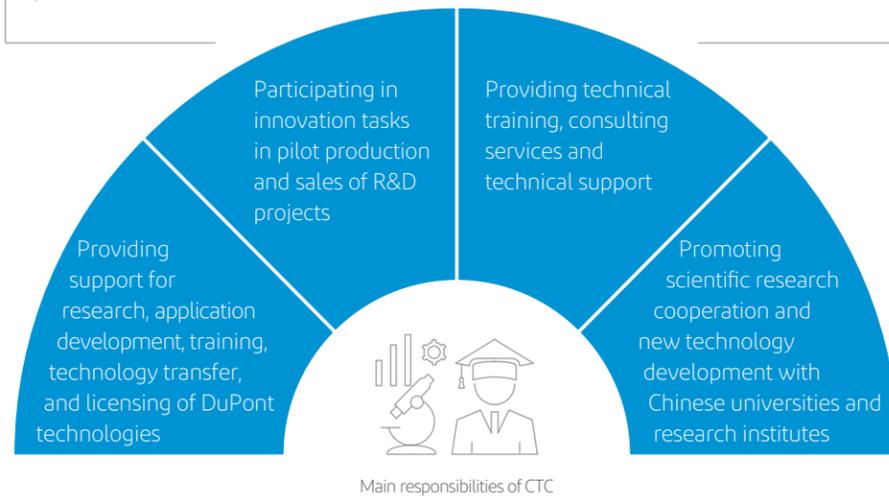
Innovating to solve global challenges

DuPont China Research & Development Center (CTC)

The CTC was officially put into operation in 2005. As DuPont's largest comprehensive R&D facility outside the United States, the CTC is providing pivotal technical support for our business development in the Asia-Pacific region.

The CTC has more than 330 researchers, 70 of whom hold a doctoral degree.

The CTC is equipped with eight technology centers and 86 laboratories, with hardware and software prowess, advanced technology equipment and excellent technical personnel.



The CTC



5G Related Materials

The laboratory enables the R&D, sample preparation and performance testing of high-frequency, high-speed communication materials to provide timely support to the fast-growing 5G market and customers in China.

Water Solutions - Residential

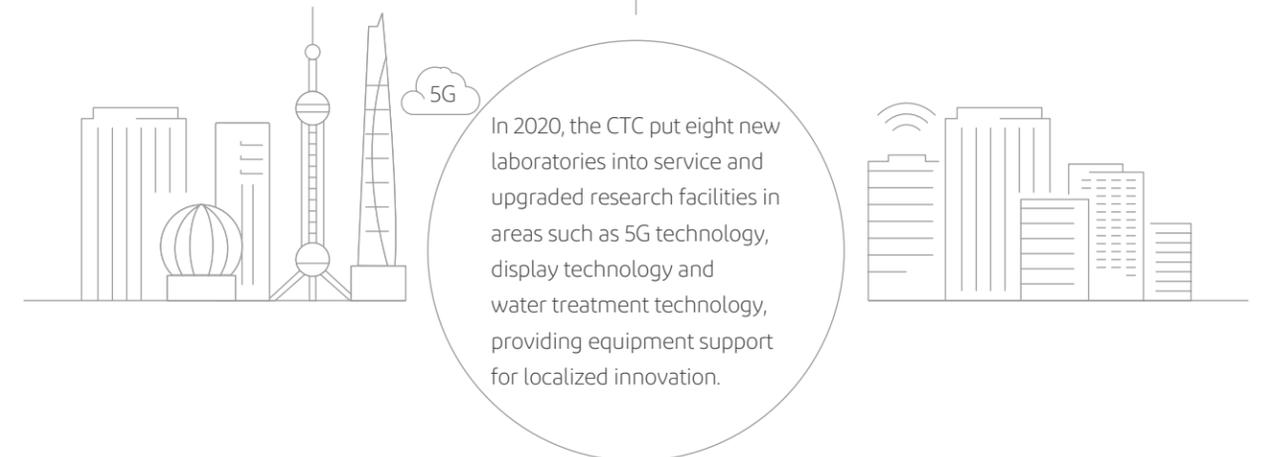
The laboratory is equipped with an in-house full functional element construction line for prototyping and new market development.

Displays Development

The laboratory includes one formulation laboratory and one cleanroom for display photoresist development. This strong local R&D capability will offer fast technical support and response to the Chinese display market.

Shelter Solutions

The laboratory is composed of two light laboratories (Corian Laboratory and Construction Laboratory) and one heavy laboratory (Center for Plastic Modification and Processing). It focuses on the R&D and application of green fire-retardant materials, thermal insulation materials, building peripheries, and artificial marble panels.



Safety Solutions

Based on the original testing capabilities, the laboratory has upgraded the capabilities in product design, application development, analytical testing, and healthcare medical package sample preparation to better serve local market demand.

Molykote

The new Molykote lubricants laboratory will expand DuPont's capabilities of new product and application development, and advanced performance testing for specialty lubricants. This aims to support automotive, industrial, appliances and maintenance markets.

Performance Materials

This laboratory comprises of mechanical laboratory, oven room and sample room for Mobility & Materials. The new equipment will enhance the capability for the Auto NVH development as well as industrial, consumers and electronics related initiatives.

Adhesives

This includes the application development and oven lab for automotive adhesives. It will be installed with one new thermal conductivity testing machine. This will build up the capability for battery adhesive development.

DuPont Shanghai Innovation Center

Founded in 2014, the DuPont Shanghai Innovation Center serves as a unique platform to integrate DuPont's portfolio and diverse ideas, and explore new business opportunities in China and the Asia Pacific region.

<p>By the end of 2020, Shanghai Innovation Center had received</p> <p>15,000 visitors from</p> <p>1,200 organizations</p> <p>and assessed/initiated 305 new growth opportunities.</p>		<p>In 2019, we successfully completed the upgrading and expansion of Shanghai Innovation Center; expanded its area from 350 square meters to 630 square meters, focusing on four key areas: connectivity and mobility, healthy living, urbanization and safety, and environmental protection.</p>
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Working together to boost innovation

DuPont values the potential of collaborative innovation. We interact with universities and research institutes to jointly nurture talents for the industry and produce more collaborative results.

Case Organizing competitions to stimulate local innovation

DuPont has held various innovation activities in China to invigorate collaborative innovation, encouraging more stakeholders to address global challenges with diversified innovative practices and contribute to global sustainable development.

In November 2020, we held the DuPont China Innovation Award for Comparative Demonstration, where innovative projects were designed and selected under eight themes, including 5G high-speed connectivity, semiconductor materials, new display technologies, lightweight, energy-saving and environmental protection, materials and technologies in vehicle electrification, and clean drinking water. This competition served as a valuable platform for local employees to demonstrate their professionalism and wisdom. It also facilitated the development of solutions that satisfy the urgent needs of the market.



During 2019 and 2020, DuPont Water Solutions, together with Enactus, a world-renowned non-profit educational organization, launched the "Flow of Life" Water Innovation Race targeted at 230 university teams across the country. The event was designed to raise young students' awareness of the sustainable use of water resources, thus nurturing innovative ideas and fresh energy into the industry.



DuPont sponsored the annual Transformer Innovation of the Year in 2019 and 2020, and provided winners with global resources from DuPont™ Nomex®. This helped inspire innovation in the transformer industry, as well as development in energy efficiency, environmental protection, energy conservation and noise reduction.



DuPont™ Tyvek® has hosted creative design competitions and design salons for five consecutive years since 2017. These events are designed to encourage more artists and designers to use DuPont™ Tyvek®, a unique and widely-used technological material, as a source of innovation and green ideas to deliver green designs and sustainable artworks from all dimensions, including green design concepts, green material use, energy saving and waste reduction.



DuPont holds a lecture on the use of Tyvek® technology in daily life for the ShanghaiTech University students at DuPont Shanghai Innovation Center.



DuPont and the College of Design and Innovation at Tongji University hold a workshop on product design and innovation in Tyvek®, Corian®, Kevlar®, and Nomex®.



DuPont launches cooperative projects with the Department of Printing and Packaging at Wuhan University on flexographic and digital printing.

Providing innovative products and intelligent solutions

DuPont is committed to finding important and valuable solutions to accurately address the challenges of sustainable development. With strong research capabilities and continuous drive for innovation, we continue to explore the infinite possibilities of materials, providing innovative products and intelligent solutions for Chinese stakeholders.

Mobility & Materials	<ul style="list-style-type: none"> DuPont uses state-of-the-art materials and technologies to deliver lightweight and electrical vehicles, meeting consumers' demand for safe, durable, sustainable, and advanced mobility solutions. DuPont develops lightweight, easy-to-clean, sustainable materials with good heat dissipation to meet the needs of equipment generating clean power like photovoltaic power and offshore wind power.
Water & Protection	<ul style="list-style-type: none"> DuPont provides state-of-the-art membrane science and ion exchange solutions that help make drinking water safer and cleaner in home and business, industrial, and municipal applications. DuPont offers high-performance, energy-efficient, and low-carbon building solutions for residences, and develops new flame retardant to effectively protect buildings from fire hazards while reducing the harm to human health and the impact on the environment. DuPont protects people and key processes, contributes to new energy development, energy conservation, and emission reduction, and enables a circular economy.
Electronics & Industrial	<ul style="list-style-type: none"> DuPont develops advanced materials for integrated chip fabrication and packaging, as well as advanced interconnects to enable high-performance computing and high-frequency connectivity that 5G requires. Key materials are for microlithography, chemical mechanical planarization/polishing, advanced cleaning and semiconductor packaging and assembly, metallization and imaging, films and laminates, electromagnetic shielding and thermal management. DuPont continues to develop organic materials for use in both liquid-crystal displays (LCDs) and organic liquid-crystal emitting diode (OLED) displays, improving display performance while reducing energy consumption. DuPont is a globally recognized leader in silicon technology with more than 70 years of experience advancing healthcare through materials innovation. Our application-centered scientific and technical know-how and medical regulatory expertise help our customers innovate in biopharmaceutical processing, pharmaceutical solutions and medical devices.

High-quality products for low-carbon growth

Going green and low-carbon is an important focus for global development. DuPont has pledged to deliver carbon neutral operations by 2050 or sooner. Focusing on innovation, we provide advanced products and solutions for green transportation, clean energy, water stewardship and other areas, contributing to low-carbon, green development across the value chain.

From 2005 to 2018, DuPont made innovation on lightweight materials for vehicles, and served more than a dozen Chinese auto companies, including SAIC Motor, GAC Group, BYD, and Chery, to help reduce carbon and save energy:

Lightweight vehicles using DuPont products reduce weight by **2,100** grams per vehicle, meaning **18.1** million liters of gasoline will not be used and cut **4.65** million metric tons of carbon dioxide emissions.

Case | DuPont technology for high-performance, lightweight vehicles

DuPont is committed to developing advanced, and high-performance materials to make vehicles lighter, safer, greener and more efficient.

Thermal management plays a key role in the range of new energy vehicles (NEVs). DuPont™ BETATECH™ thermal interface material helps maintain optimal battery temperatures during both charging and operation, thus extending vehicle range and enhancing vehicle safety as it decreases the chance of thermal runaway.



DuPont™ BETATECH™ polyurethane thermal interface material

A lighter body and battery pack also help a vehicle run safer and longer. DuPont™ BETAMATE™ structural adhesives and BETAFORCE™ multi-material bonding adhesives can replace mechanical fasteners in the design and assembly of body structures and battery assemblies, thus reducing vehicle weight.



DuPont™ BETAMATE™ structural adhesives used to bond body structures

Stable and durable plastics are suitable for NEV powertrains. DuPont™ Zytel® and Crastin® orange materials are specifically formulated to increase the durability of components for better reliability, efficiency, and connectivity performance in high voltage applications at different temperature levels.



DuPont™ Zytel® and Crastin® orange material

Excellent insulation performance holds the key to the safe and reliable operation of NEVs. With good mechanical and electrical properties in harsh operating environments, and outstanding chemical compatibility, DuPont™ Nomex® products deliver reliable, comprehensive electrical insulation in complex conditions.



The AC/DC power converter of NEVs is to be used to drive the motor and components by converting the output DC of the battery into AC. It needs to operate safely and reliably in a severe working environment to ensure longer battery life. DuPont™ MOLYKOTE® HP-300 Perfluoropolyether (PFPE) grease exhibits excellent lubricity, thermal stability and compatibility with most elastics. It can protect power converters and O-rings under harsh conditions, prevent aging, seal effectively, and protect and prolong battery life.



Case DuPont™ Nomex® paper for high-voltage electrical equipment

DuPont™ Nomex® paper delivers excellent electrical insulation for large-capacity offshore wind power tower transformers developed by Xi'an XD Transformer Co., Ltd.

DuPont™ Nomex® paper extends the service life of offshore wind power tower transformers. Intelligent monitoring devices also make the operations and maintenance of the transformers more efficient.

Synthetic ester oil and DuPont™ Nomex® paper make up an efficient oil-paper system that increases the thermal insulation resistance of eco-friendly transformers, reduces their size, and cuts GHG emissions.



Xi'an XD SR(F) SP-F-11700/35 Offshore Wind Power Tower Transformer

Case DuPont™ Nomex® materials for comfortable and safe travel

DuPont is an innovation driver in thermoplastic composite solutions. For example, DuPont™ Nomex® paper honeycomb composites are more than 50% lighter than the aluminum honeycomb and combine excellent stiffness and weight-saving efficiency. As ideal lightweight interior and structural materials for aircraft and high-speed trains, they will improve fuel efficiency, while ensuring safety and comfort of the vehicles.



Case DuPont™ Tedlar® Backsheets for photovoltaic (PV) modules

In order to improve the performance of solar PV panels, and meet diverse marketplace needs, DuPont introduced Tedlar®, a transparent, light, and easy-to-clean backsheet material with good heat dissipation, which can extend the lifetime of PV modules from 20 years to 35 years.

In 2020, DuPont™ Tedlar® Backsheets were used in a photovoltaic power generation project with an installed capacity of 616MW in Hainan Tibetan Autonomous Prefecture, Qinghai Province. By the end of 2020, globally Tedlar® has reduced carbon emissions by 800 million metric tons compared with conventional power generation methods, an equivalent of emissions from 180 million passenger cars driven for a year.

Case DuPont™ BLUEEDGE™ Polymeric Flame Retardant as a safer, greener building material

DuPont™ BLUEEDGE™ is the only flame retardant material allowed for use in polystyrene foam insulation under the Nordic Swan Ecolabel program.

As a green, sustainable polymer-based flame retardant, BLUEEDGE™ is environmentally-friendly, demonstrating excellent comprehensive properties:



Case Outstanding DuPont™ Tyvek® reflective agricultural covering material

DuPont™ Tyvek® is an eco-friendly and stable material that is lightweight, waterproof, strong, durable and recyclable. It can meet the needs of modern agriculture for advanced materials.

In 2020, Tyvek® China team cooperated with domestic agricultural colleges and research institutes, which aim to help Chinese farmers and planting companies better grow grapes, oranges and other fruits by using DuPont™ Tyvek® mulch film, a waterproof, breathable, durable material with effective solar diffuse reflection characteristics and other excellent properties. Experiments conducted by partner organizations proved that Tyvek® reflective agricultural mulch is effective in improving fruit sweetness and color, reducing herbicide use, and maintaining soil moisture at appropriate levels. Tyvek® China team has provided advanced products and technologies for the profitability and sustainability of the plant industry.



Grapes grow well with the protection DuPont™ Tyvek® material

Leading processes for emerging products

The changing design, function and operating environment of electronic components are accelerating the expansion of emerging markets in the electronic industry. DuPont is committed to providing simpler, faster and more environmentally friendly electronic technologies for markets by developing novel and sustainable products, and building experimental platforms with partners.

Case DuPont provides green products for the printed circuit board industry

As a market leader in high-performance and reliable metallization materials, DuPont provides the printed circuit board industry with advanced green technologies that meet environmental compliance and drive the industry toward eco-friendly development. DuPont™ Circuosit™ 6000 Electroless Copper provides reliable, productive, and green materials for mobile devices, tablets and wearable devices. This EDTA-free product helps reduce damage to the environment.



DuPont™ Circuosit™ 6000 Electroless Copper

Case High-performance, highly-reliable organic materials for the display industry

DuPont organic insulating patterning material and OLED display materials are widely used in mobile phones, LCD televisions, tablets and monitors. As highly reliable, productive and green materials, they help displays improve performance, meet the energy labeling requirements of home appliances, and drive the display industry towards environmental sustainability and energy conservation.



Case DuPont™ Kalrez® assists chemical plants in upgrading for extended equipment life, and safer and more environmentally sound operation

The evolving chemical industry requires plant equipment not only to operate continuously for an extended period of time, but also to withstand higher temperatures and pressure. It is a challenge for chemical plants to operate under harsh operating conditions with fewer operators, longer operating cycles and shorter maintenance times. DuPont™ Kalrez® perfluoroelastomer sealing parts have been used in high-temperature environments and highly corrosive media for more than 50 years. By upgrading existing elastomer seals, Kalrez® seals can help chemical plants extend seal life, cut maintenance costs, and reduce the probability of leakage-induced pollution accidents.



Case DuPont™ Cyrel® FAST thermal workflow drives innovation and development of printing plate processing technology

DuPont™ Cyrel® FAST thermal workflow is an innovative, highly productive plate processing technology that uses solvent-free thermal processing to produce a press-ready finished plate in one hour or less.

Sustainability	Fast Processing	Cost Savings
<p>Cyrel® FAST thermal workflow features the smallest environmental footprint available today, resulting in:</p> <ul style="list-style-type: none"> • up to 53% savings in greenhouse gas generation; • up to 63% reduction in non-renewable energy consumption; • safer, low-emission work environment compared to solvent platemaking. 	<p>Cyrel® FAST thermal workflow is the complete hardware and consumable solution, enabling:</p> <ul style="list-style-type: none"> • improved process control, product quality and consistency; • Up to a 75% reduction in total plate-production time. 	<p>Cyrel® FAST thermal workflow saves time, money and materials in operations and maintenance, solvent recycling and press cleaning through:</p> <ul style="list-style-type: none"> • reduced plate consumption by up to 15% compared to conventional platemaking; • reduced waste treatment and disposal costs due to the use of a solvent-free process.

Case DuPont™ Artistri® inks for different applications

DuPont™ Artistri® pigment inks are innovative, high-performance digital textile inks with rich, deep blacks and outstanding color saturation. With a unique ink formula, the inks meet the needs of quality-conscious textile printers in multiple market areas including garment decoration, fast fashion/couture, home furnishings. DuPont™ Artistri® pigment inks are recognized for their high efficiency, flexibility, a wide range of applications, and the ability to be printed on any type of substrate and blended fabric.



- Improved reliability of ink jetting
- Increased high crock and wash fastness
- High color saturation and multiple color options
- Better lightfastness
- Higher production capacity and less machine maintenance costs

Case DuPont™ Kapton® MT and MT + polyimide films for more efficient NEV heaters

DuPont™ Kapton® MT and MT+ polyimide films are widely used in cabin and battery heaters of NEVs. The high thermal conductivity, excellent insulation and proven reliability can make NEV heaters more efficient and enable longer driving range between charges.



DuPont™ Kapton® MT and MT+ polyimide film

Case DuPont™ Pyralux® TA Series Copper-Clad Laminate for flexible printed circuit board industry

Based on their innovative strengths and concept of sustainable development, DuPont focuses on the R&D of low-loss materials to meet the production needs of 5G smartphones, wearable devices and other smart consumer electronics.

DuPont™ Pyralux® low-loss FCB is a kind of material that effectively ensures electrical performance and reduces signal transmission loss. The material exhibits excellent processability with outstanding thermostability and processing compatibility. It can thus help customers improve production yield, reduce energy consumption, and contribute to carbon reduction.



DuPont™ Pyralux® TA Series Copper-Clad Laminate

Case Strengthened cooperation between DuPont and Tecore to bring jointly validated optical grade epoxy

In March 2021, DuPont and Tecore Synchem Inc. ("Tecore") announced an exclusive collaboration agreement, leveraging the expertise and resources of both parties to deliver jointly-validated optical grade epoxy products to customers globally.

Over the years, Tecore has established deep expertise and unique technologies in filler selection, treatment and blending. Integrating these specialized considerations into their development and production process has helped achieve optical grade epoxy materials optimized for fine pitch direct view LED applications.

Through this collaboration, DuPont will be able to accelerate the reach of these moldable solid epoxy materials through their global network, enabling customers to benefit from a broader portfolio of DuPont LED and other display materials including Duroptix™ optical encapsulants and die attach adhesives.



DuPont's high-performance materials for space exploration

DuPont and the National Aeronautics and Space Administration (NASA) have a long history of cooperation in space exploration. From the first human landing on the moon in 1969 to Mars exploration in 2020, DuPont's high-performance materials, with excellent performance in extreme conditions, have been providing necessary material support for space exploration for many times.

- During the 1969 Apollo 11 mission to the moon, 20 of the 21 layers in the space suits were made with DuPont inventions. Even the U.S. flag placed on the moon was made of DuPont nylon.
- DuPont™ Kapton® polyimide films and DuPont™ Pyralux® flexible circuit laminate materials were used on the Mars exploration rovers – Spirit, Opportunity, and Perseverance – to protect them against harsh heat conditions and ensure normal operations on Mars.
- Tedlar®-protected photovoltaic panels were used in Phoenix Mars Lander to protect and support the solar cells in the photovoltaic modules.



Perseverance Mars probe (Image courtesy of NASA)

"When we look down at our own planet from outer space, the scenery is really beyond our imagination. It is extremely beautiful. However, space operation traps us in an extremely uncomfortable and harsh environment. We must be pretty sure of everything before entering such a very challenging environment. Is my space suit going to protect me today? Without the presence of DuPont™ Kevlar®, I think it would be terrifying."

Scott E. Parazynski,
American astronaut (7-time space walker)

Boosting circular economy

In a resource-constrained world that is only 9% circular, we need to move away from linear "take-make-discard" models. That requires us to adopt low-carbon and circular techniques in all processes of a product's life cycle and across value chains for every industry. It also requires that we come together to develop solutions to improve resource efficiency.

"Zero waste" is a vision throughout DuPont's manufacturing process. We integrate circular economy principles into our business models and set up businesses to repurpose materials into a second life. We also focus on the circularity and application of recycled materials in the market and work together with our partners on the value chain towards the "zero waste" vision.

Case Recycling DuPont™ Tyvek®

DuPont™ Tyvek® is a special material made from high-density polyethylene (HDPE). It can be applied to multiple purposes. It is 100% recyclable, and has a unique value in the circular economy.

DuPont™ Tyvek® is made without plasticizers or restricted chemicals listed in European Directives. Its light weight, durability and stable functionality can reduce resource and energy consumption and bring less waste.

Products made from Tyvek® can be made into items such as trays, benches, and playground facilities through the Tyvek® recycling program, thus being given a second life.



Recycled Tyvek® materials for playground equipment

In Europe, DuPont is working closely with Sonoco to recycle discarded Tyvek® materials into HDPE particles, which are then made into plastic winding cores used in new Tyvek® material packaging. We have identified domestic partners to provide effective ways for environment enthusiasts to recycle Tyvek®.

Case Renewable DuPont™ Delrin® RA acetal homopolymer

DuPont™ Delrin® RA acetal homopolymer is produced from 100% bio-feedstock from waste. As a thinner, lighter-weight, durable and sustainable part, it is widely used in gears, safety restraints, door systems, fasteners and other demanding products and parts.

Certified renewable Delrin® acetal homopolymer demonstrates excellent physical properties and can prolong the service life of products. As DuPont's circular economy continues to grow, Delrin® products are expected to be 100% recyclable, thus benefiting customers both economically and environmentally.



Certified renewable Delrin® acetal homopolymer can be applied to conveyor belts

Our Operations

DuPont 2030 Sustainability Goals

Goal 4: Reduce greenhouse gas (GHGs) emissions 30%, including sourcing 60% of electricity from renewable energy, and deliver carbon neutral operations by 2050 or sooner.

Goal 5: Implement holistic water strategies across all facilities, prioritizing manufacturing plants and communities in high-risk watersheds; and enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships.

Goal 6: Further our commitment to zero injuries, occupational illnesses, and incidents.

DuPont is committed to integrating the principle of sustainability into the whole process of production and operations and the entire value chain. We continuously collaborated with partners across the value chain to increase the focus on climate change, water management, health and safety and related issues, and to contribute to the achievement of SDGs in way of green operation.

UN SDGs



Green, low-carbon operations

Climate change requires urgent action, bold commitments, and innovation. Finding a way to shorten the lead times for game-changing technologies and turn the long lifetimes of energy infrastructure into a net positive for the climate will require a multi-faceted, collaborative approach.

We are working to drive down our GHG emissions at a pace that's aligned with current climate science. Fully combining the production and operation practices of DuPont factories around the world, we have developed a targeted low-carbon management plan, as well as a network of on-site energy managers. We are also actively pursuing opportunities to reduce GHG emissions along the value chains for a wide range of processes and products.

In 2020, we expanded our use of renewable electricity sources and credits to 20% of our total electricity and engaged in a partnership with Schneider Electric to increase our renewable energy procurement via virtual power purchase agreement (VPPA) partnership. At the same time, we completed 99 energy-saving projects with a savings potential of about 12,650 MTCO₂e annually.*

* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.

Promoting green and low carbon throughout all sectors

In response to China's commitment to carbon peak and carbon neutrality, DuPont adhered to the principle of green development in China and has advanced overall energy efficiency renovation programs on production equipment, production environment, administrative offices, and other links in the operations chain. DuPont also developed energy management plans for local facilities to continuously improve energy efficiency, and to accelerate the transition to clean and low-carbon operations.

Installing solar power systems to generate green electricity

- The CTC is equipped with solar photovoltaic modules using DuPont photovoltaic solutions and materials on the roof providing approximately 150 to 200 MWh of clean electricity to CTC annually.
- Du Pont Apollo (Shenzhen) Limited installed a large-scale solar photovoltaic demonstration project on its rooftop, with an area of 23,000 square meters, providing about 1.07 GWh of clean electricity annually. The project was selected as the National Golden Sun Demonstration Project.



The rooftop photovoltaic power generation modules of Du Pont Apollo (Shenzhen) Limited



Aerial view of Rohm and Haas Electronic Materials (Shanghai) Ltd.

Optimizing production equipment to reduce energy consumption

- DuPont Xingda Filaments Company Limited's main business involves the development, production, and sale of nylon resins, nylon monofilaments, and polyester monofilaments. It had renovated HMD storage tanks and boilers in 2019, reducing nitrogen consumption by 20% and natural gas by 10%.
- Rohm and Haas Electronic Materials (Shanghai) Ltd's main business involves the R&D of ion exchange resins. It optimized the anaerobic reactors used for waste water treatment in 2020 and automated the attached biogas system, thereby saving more than 36 million gallons of natural gas per year.



Energy conservation slogans at Du Pont Apollo (Shenzhen) Limited

Improving all operating steps to save energy

- Du Pont Apollo (Shenzhen) Limited launched a project to control the lighting and air conditioning of administrative buildings. This will save about 60 MWh of electricity per year by reducing idle energy consumption.

Advancing circular development on all fronts

DuPont continuously improves the waste management system. All our facilities have implemented responsible waste disposal upgrading program to reduce waste treatment costs, improve production efficiency, and integrate DuPont's circular economy principles into our excellent local practices.

Production efficiency improvement through innovative process



- Zhejiang OMEX Environmental Engineering Company (DuPont Huzhou Plant) is a very important production facility for DuPont Water Solutions. The company actively explores innovative process to solve the technical challenges such as feeding operations and purity control of chemical substances, etc. These efforts have effectively reduced the generation of waste and improved both economic and environmental benefits. The new process is expected to result in an 11% increase in unit output, and a 12% reduction in waste. The company also promotes the concept of circular economy and innovative transformation to industry peers and partners.

Promoting resource recycling to reduce material waste



- Dow Chemical (Wuhan) Company Limited (DuPont Wuhan Plant) mainly produces and sells rock-resistant chassis coatings, sealants, cleaning fluids and other related chemical raw materials. The company actively recycles resources in experiments, production, packaging and other links. For example, it scraps and shovels liquid raw materials after they are heated, and puts them back into production. Imported raw material drums that have been effectively cleaned are reused as product packaging to reduce disposal costs. Also, some samples are evaluated and analyzed for re-production to reduce material waste. These steps allow the company to save 2.4 metric tons of raw materials, recycle 720 packaging drums and reuse 1.3 metric tons of materials every year.

Sorting waste to reduce ecological footprint



- To mitigate the environmental impact of production, DuPont Xingda Filaments Company Limited has been reclassifying and reusing general industrial waste from the production process since 2019. In 2020, the total amount of general industrial waste in landfills was reduced by about 50% compared with 2019.
- DuPont Wuhan Plant has strengthened waste sorting by treating HW12 (dye and paint wastes) and HW49 (other wastes) separately by using new balers. The hazardous waste was reduced by 28.98%, while waste treatment cost was cut by 21.98%.



Recycled raw material barrel for new packaging

Leading water stewardship

Water is essential to life on earth, which gives this simple molecule an outsized role in every aspect of sustainability. Facing increasing water scarcity, we need to manage the water demands of today while securing water for the future. Therefore, new clean water technologies and efficient water stewardship solutions are where breakthroughs will come.

DuPont is delivering clean water, ensuring water security, and seizing water opportunities for a cleaner world with partners through innovative and reliable technologies and solutions, as well as excellent water stewardship.

Leading water treatment technologies and solutions

As a leader in sustainable water purification and separation technologies, we are committed to the R&D of more advanced technologies and processes to provide state-of-the-art membrane science and ion exchange solutions that help our customers maximize water usage and minimize discharges. Relying on world-leading technical support and resources, we combine innovative technologies and products in China, providing customers with water treatment solutions for various market applications, including Residential & Commercial, Industrial Water & Desalination, Municipal Water Treatment, and Life Sciences & Specialties.



Solutions that span markets

Case From safe to premium with DuPont FilmTec™ Nanofiltration elements

Safe drinking water is the most basic livelihood protection. As the water supply industry evolves, nanofiltration technology has gained an increasingly obvious edge in advanced water treatment, playing a vital role in ensuring the safety of drinking water in cities and towns.

Since November 2020, the upgrading project of Zhangjiagang No. 4 Municipal Water Plant, which adopts DuPont's nanofiltration (NF) membrane treatment process has started producing 2.6 million gallons per day premium drinking water. It is the first 100,000-ton large NF municipal plant for treatment of surface water in China.

The project adopts DuPont FilmTec™ NF270 Nanofiltration (NF) elements for fouling resistance and high-active membrane area. It delivers a high water production rate, high cleaning efficiency and low energy consumption while ensuring good organic removal and reducing treatment costs per metric ton of water.

The NF system can effectively remove specific contaminants and retain instrumental minerals to a greater extent, so that the water meets the requirement for premium quality water under the internal control standards of Jiangsu Province, and fulfills the purpose of advanced treatment in the water plant. While transforming from supplying safe water to water of premium quality, the ability of the water plant to deal with sudden pollution risks has been improved.



Full view of Zhangjiagang No. 4 Water Treatment Plant

Case Intelligent solutions to wastewater reuse in paper industries

With our leading core membrane technology and intelligent solutions, we have built a world-class wastewater treatment system for Chenming Group, assisting its 80,000-ton daily paper wastewater reuse project. It is the largest DuPont ultrafiltration (UF) and reverse osmosis (RO) wastewater reuse project in China, using two of DuPont's industry-leading water treatment products – SFP-2880XP Modules and FilmTec™ Fortilife™ CR100 RO elements.

DuPont UF systems extend the frequency of chemical cleaning by more than two times compared to conventional parameters, ensuring that the quality of water produced out of heavily contaminated wastewater always satisfies the most stringent RO influent requirements. With high desalination efficiency, FilmTec™ Fortilife™ CR100 makes sure that the desalination rate of the entire membrane system is significantly better than the design value. DuPont Water Solutions assisted Chenming plants in the comprehensive integration and upgrading of wastewater treatment facilities, solving the problem of papermaking wastewater reuse in the industry. It has not only helped customers ensure a high-water-reuse rate, and lower the cost of freshwater intake, but also effectively reduced the impact on the environment.



Ultrafiltration system



Reverse Osmosis system

Case DuPont Water Solutions help China Energy build a global super-large Minimal liquid discharge (MLD) project

China's first 3,000 m³ / h chemical wastewater and mine water treatment plant was built by China Energy Investment Corporation (China Energy) in Ningdong Industrial Park. The project uses Zero Liquid Discharge (ZLD) solutions based on membrane treatment. DuPont Water Solutions provides core processes and products, including UF pretreatment, NF salt separation, and multistage RO salt concentration.

The project produces 6.36 billion gallons of reclaimed water, all of which can be recycled into the coal chemical production system. In addition, it can produce 39,900 metric tons of first-grade sodium chloride, 43,200 metric tons of anhydrous sodium sulfate and 14,400 metric tons of carnallite every year, all of which can be utilized as resources.

This zero-discharge mine water deep treatment project is the largest scale of its kind in China. With the most complicated process routes, it will help Ningdong Industrial Park properly handle wastewater discharge and solid waste. This case shows how DuPont's advanced technologies and water solutions enable wastewater to be turned into resources, and contribute to economic, social and environmental sustainability.



Wastewater treatment facilities in Ningdong Industrial Park

Extended Reading

DuPont Water Solutions and Waterise collaborate toward sustainable sub-sea desalination

In 2020, DuPont Water Solutions entered into a collaboration with Waterise, an energy company that aims to provide solutions to the global water shortage. The collaboration goal is to provide seawater reverse osmosis membranes and expertise to the company's sub-sea desalination plants.

Sub-sea desalination by Submarine reverse osmosis (RO) presents a more sustainable way to turn seawater into freshwater. It uses the natural hydrostatic pressure found at the depths of the sea to run reverse osmosis, reducing the energy requirements of the

desalination process by 40%. Sub-sea desalination also requires 80% less coastal land than land-based plants, presenting a viable option for communities with limited space. This process also requires fewer amounts of pretreatment chemicals and eliminates the discharge of concentrated brine into coastal waters.

DuPont FilmTec™ membranes have been applied to all Waterise desalination systems. Also, Waterise and DuPont Water Solutions will collaborate on research and development toward the mission of advancing sub-sea desalination operations and performance.

Water management

DuPont is designing and implementing holistic water strategies across all facilities around the world. In our production and operations in China, we are also committed to the effective management and conservation of water resources, harmless emissions, and maximum recycling. We are making a contribution to the protection and sustainable use of water resources.

Improving production processes for more efficient water use

Since 2016, Rohm and Haas Electronic Materials (Dongguan) Co., Ltd. has launched a vat washing water reuse project, upgrading the technological process and optimizing the vat water treatment methods. This project has helped reduce the generation of wastewater and ease the burden on the sewage treatment system of the plant. In 2020, the vat wastewater was decreased by 1.56 million gallons.

Upgrading disposal equipment and launching water-saving activities

DuPont has launched a number of regular water conservation and wastewater disposal projects in close partnership with the competent authorities to ensure that waste is minimized, and wastewater is safely and responsibly disposed of.

Case

Special water-saving activities for more efficient use of water resources

Shenzhen, where Du Pont Apollo (Shenzhen) Limited is located, is a city of severe water shortage: The per capita water supply of the city is only 40,682 gallons, far below the internationally recognized "absolute scarcity" threshold of 132,086 gallons per person. To help build a model water-saving city in Shenzhen, the company set up a water balance project team in line with DuPont's 2030 Sustainability Goals, identifying water-saving opportunities throughout production and operations and making continuous improvements.

The project team accurately monitored water consumption by adding 15 water meters to the inlets and outlets of the main water consumption points across the plant. After a data analysis, two feasible water-saving opportunities were identified and relevant improvement measures were implemented. By doing so, 1,457 metric tons of water could be saved per month, and about 17,400 metric tons per year. By the end of March 2021, the project team had improved all water-saving links. It continues to monitor all water consumption points to ensure that no water resources are wasted.

Our people and safety

Maintaining safety and health in workplaces globally requires vigilant awareness of shifting factors, and an ability to apply new ideas and new ways of thinking to a response plan.

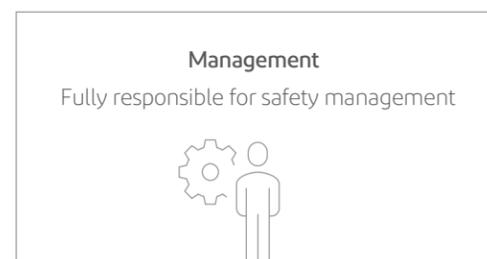
Safety and health is one of our Core Values at DuPont. We design 100% of our products and processes using sustainability criteria including the principles of green chemistry, and embed a care for the safety and health of employees into the corporate culture. In China, we advance DuPont's leading safety culture and safety management. We hold the belief that all injuries and occupational illnesses are preventable. We are committed to zero injuries, occupational illnesses, and incidents.

Delivering world-class health and safety

Safety is the core value of DuPont. We're committed to protecting the safety and health of our employees, our contractors, our customers and the people in the communities where we operate. Now we possess a scientific and fully-fledged safety management system, as well as a unique safety culture.

EHS system

In China, our Environment, Health and Safety (EHS) management system follows the framework of DuPont global EHS management system, covering the entire process of hazard identification, risk assessment, incident investigation, process safety management, and audits. With resources and professional support provided by DuPont Environmental, Health, and Safety Center of Excellence, as well as implementation of the sound EHS management system, we have executed efficiently EHS management across all links of our production and operations.



EHS functions with professionals

- Provide professional safety management solutions for the workplace and business operations
- Provide scientific analysis of safety hazards and accidents and establish emergency plans for major accidents
- Provide safety trainings for employees

Safety Committee

- Host monthly safety meetings, promote and implement the EHS project, track the progress and continuously improve EHS performance

1 Hazard identification and risk assessment

- Identifying the top EHS risks to monitor by using professional judgement to assess potential exposures and analyzing documented EHS Event in the corporate data system
- Issuing a periodic safety perception survey to contractors and employees to assess the safety culture

2 EHS incidents and investigation

- Creating an investigation team that documents the facts of the incidents and key factors, and then issues recommendations for corrective and/or preventative actions in an incident report
- Sharing key learnings from incidents with sites across the company

3 Occupational hygiene

- Each site has an Occupational Hygiene (OH) resource who is responsible for executing and overseeing the strategy for, qualitative exposure assessments including the establishment of similar exposure groups (SEGs), documentation of assessment reports, conducting quantitative sampling as appropriate, and database management (the Cority system)

- Notifying personnel of the chemical, physical, ergonomic, and biological hazards to which they may be exposed, how to recognize the hazards, and how to protect themselves from exposure
- Tapping into the expertise of external training providers and the company's own functional experts to offer a wide range of courses in areas including health and safety

- Conducting regular internal audits on key activities including safety, health, environmental performance and compliance with the DuPont Code of Conduct
- Conducting third-party audits to review this data as part of a process to certify that DuPont's EHS management systems operate in conformance with ISO 14001 and Responsible Care®

- Using DuPont management systems to identify, understand, and control process hazards to prevent injuries and incidents involving potential releases of hazardous substances or energies at DuPont manufacturing plants

4 EHS training and communication

5 Audits and evaluation

6 Process safety management

Employee health and well-being

DuPont makes worker safety and occupational health a top priority. Our Integrated Health Services (IHS) has established a professional medical management team to provide multi-faceted health management services for all DuPont employees, including occupational health training, first aid, psychological care, pandemic prevention and control, and health risk assessment. IHS also regularly communicates with employees about benefits and health related topics via email, bulletin boards, and large LCD screens at sites.



First aid training

Case DuPont won honors of 2020 Award of China Top 10 Best Corporate Wellness Employers and 2020 China Healthy Workplace Award

We use Wellness Checkpoint, an online health risk assessment tool, to conduct professional assessments on lifestyle, disease prevention and chronic disease management on a basis of privacy protection. Based on the assessment results, we provide individualized improvement plans and health guidance, and organize targeted health education activities. Because of our continuous efforts to protect the safety and health of our employees, we were awarded the honors of 2020 Award of China Top 10 Best Corporate Wellness Employers and the 2020 China Healthy Workplace.



Honorary credential of 2020 China Healthy Workplace

Targeted measures against COVID-19

After the outbreak of COVID-19, DuPont ensured the health and well-being of its employees immediately. In China, we rolled out a series of measures to support worker safety.

- Giving timely updates on the COVID-19 information, disseminating knowledge on personal protection, regularly communicating with employees and informing them of the latest actions and arrangements;
- Guiding cleaning personnel for thorough cleaning and disinfection of the workplace, monitoring and recording the access of staff, and conducting health screening for personnel entering the company;
- Conducting regular health risk screening, identifying and classifying people at risk, and providing remote guidance and consultation;
- Setting up temporary quarantine sites;
- Procuring and distributing protective equipment and disinfection items;
- Requiring employees to keep safety distance while having meal.

Case DuPont EAP helps reduce employee stress

Employee Assistance Program (EAP) is the professional and confidential mental health service DuPont provides for employees and their families to increase their work efficiency and well-being. During the outbreak of COVID-19, DuPont offered online micro-classes and psychological counseling to employees and their family members working in isolation or from home. To galvanize our workforce after months of dealing with the pandemic, DuPont China organized a Month of Caring for August 2020. Each week focused on a specific theme and held remote and in-person learning sessions on stress relief, meditation, energy management, and personal development. Over 500 participants across our 16 sites in China gained stress management techniques, participated in socially distanced and online meditation classes, learned healthy eating and drinking tips, and learned a framework for cultivating and maintaining a positive outlook.

Outstanding local safety performance

In China, we fully integrate DuPont's safety culture into our operations. With Safety in mind, and by putting advanced management concepts into practice, including felt leadership, line responsibility, area ownership*, and people engagement. Each manufacturing site has formed an operational team that emphasizes discipline and execution, making a commitment of "Zero" (zero injuries, occupational illnesses, and incidents). We aim to deliver excellent EHS performance through continual improvement.

We leverage our safety expertise, and work with the Ministry of Emergency Management, industrial zone and local safety management committees, and other government departments and institutions to drive studies on safety system and management. We have participated in the review and formulation of a number of Chinese and overseas safety standards, such as the ISO standards in the area of international personal protective equipment.

Rohm & Haas Shanghai Chemical Industry Co., Ltd. won the 2019 E.I. du Pont Safety Excellence Medal Award.



CUPOSIT Electronic Materials Zhangjiagang Co., Ltd. has delivered incident-free operations for 3,000 days.



Zhejiang OMEX Environmental Engineering Company (DuPont Huzhou Plant) has delivered incident-free operations for 1,000 days.



Rohm and Haas Electronic Materials (Dongguan) Co., Ltd. has delivered incident-free operations for 730 days.



* "Felt Leadership, Line Responsibility, Area Ownership", DuPont pioneered this concept in the safety management system. Felt Leadership refers to the management's total actions that enable employees to realize the importance of work safety; Line Responsibility refers to the main principals at all levels are fully responsible for safety management, and each employee is responsible for the production and operation area involved in his / her post; Local Management refers to all equipment, facilities, working environment and safety behaviors of people in the area on the site have a local manager.

Case 3,000 days of safe operations backed by safety culture

In August 2020, CUPOSIT Electronic Materials Zhangjiagang Co., Ltd. achieved the goal of 3,000 days of safe operations, with zero accidents recorded in injuries, occupational illnesses, process safety, fire safety, driving safety, and compliance. The excellent safety performance is attributed to our full integration and implementation of DuPont's safety culture.

Risks control and hazard elimination

The company identifies and classifies risks, makes control plans and eliminates the identified hazards in a timely manner. Risks are controlled by all employees for all pieces of equipment and under all status. The risk points of an entire facility are identified and a control list is made to keep operations below the threshold of general risks.

Ability cultivation and continuous improvement

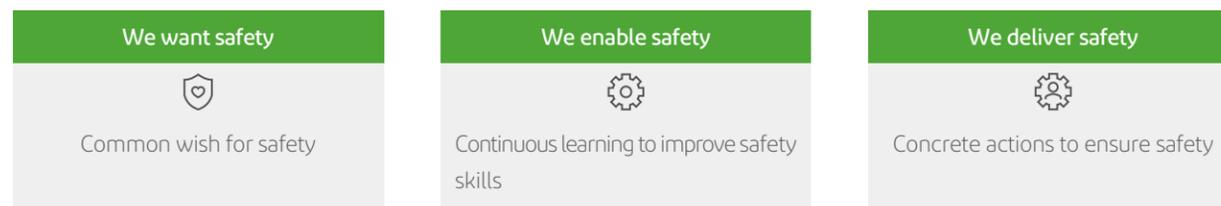
When DuPont safety culture was integrated into the company, the team leveraged the lessons learned in the past. A series of training was conducted in addressing fire line risks, slip/trip/fall risks, electrical safety, ergonomics, and other aspects of minor injury accidents. Then, they systematically improve the safeguarding process in engineering technology, management measures, training and education, and individual protection, to prevent and eliminate safety hazards.

Safety commitment with Felt Leadership

At the beginning of each year, the company makes a list of management goals and action plans, and assigns responsibilities level by level, from the company, department, workshop, to the team. The main people in charge conduct on-site investigations, keep an eye on employee safety, set an example by their own safe behavior, and pool the strength of the team to ensure workplace safety.

Culture building and concept implementation

Based on the world-leading DuPont safety culture system, the company has developed its easy-to-understand safety management system, training and communication. It organizes a variety of activities to promote the culture of safety for everyone, everything, everytime, everywhere. The company makes good use of the five-pronged safety information platform for training, communication and hazard rectification, ensuring the plant is safely operated in real time.



Incentives as morale booster

The company puts people first. It motivates employees to participate in safety management by selecting safety models, providing major safety improvement incentives and holding relevant celebrations. When the goal of 3,000 days of zero incidents was fulfilled, the leaders of the business department spoke highly of this achievement and joined the celebration in person.

Our value chain

DuPont is committed to embedding sustainability into the entire value chain. To build a responsible, sustainable and shared-value supply chain, we actively help supply chain partners to innovate, and work with them to fulfill social responsibility.

Empowering local suppliers

Suppliers are important stakeholders of DuPont. The company works with approximately 131,000 suppliers from 53 countries worldwide. DuPont always focuses on collaboration with and support for local suppliers. We continuously provide safety audits, conduct investigations and training for key suppliers to ensure their safety and sustainability. We also launch low-carbon collaboration and empowerment programs across the supply chain. In 2020, DuPont spent approximately \$12.9 billion with these suppliers, \$563 million of which was spent on energy and feedstock.*

DuPont included *the Supplier Code of Conduct* in our terms and conditions for all supplier purchase orders. We evaluate all new suppliers on matters of product quality management, security, business ethics, climate change and water security practices, etc. Suppliers are also encouraged to adopt sustainable production methods such as green storage and transportation technologies.

Case Cooperating with suppliers to reduce plastic drum weight

CUPOSIT Electronic Materials Zhangjiagang Co., Ltd. uses high-density polyethylene (HDPE) plastic drums to package and store electromagnetic process chemicals with pH ranging from 1 (highly acidic) to 10+ (alkaline).



The site sourcing leader and lead production technician collaborated with the product drum supplier on an improvement project that reduced plastic drum weight by 10 percent without impacting drum integrity. The team ensured full quality and technical evaluation over several months, which included pressure testing, drop testing, stacking integrity and transportation safety validation. The lighter supplies proved equally as effective as the previous supply, and reduced the weight of the storage drums led to a reduction in fuel required to transport them, leading to reduced carbon footprint.

Besides the carbon footprint reduction, the project also avoids 78 metric ton of HDPE per year, which helps reduce overall raw material and resource consumption.

* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.

Our People and Communities



DuPont 2030 Sustainability Goals

Goal 7: Become one of the world's most inclusive companies, with diversity well ahead of industry benchmarks.

Goal 8: Create a workplace where employees report high levels of well-being and fulfillment.

Goal 9: Improve over 100 million lives through targeted social impact programs.

DuPont regards the well-being of employees and communities as a key area of sustainable development. We pursue the safety, health and well-being of employees and community members. We are committed to advancing diversity and inclusion, creating prosperous communities, and improving the well-being of more people.

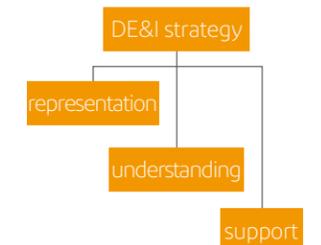
UN SDGs



Accelerating diversity, equity and inclusion

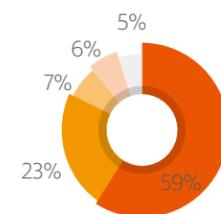
To thrive in a complex and diverse world, we need to pool our strengths and foster a diverse and inclusive environment. Committed to being one of the most inclusive companies in the world, we work to improve the representation of different groups and create an environment where everyone is welcomed and supported to express who they are and show what they have to offer.

Attracting diverse talent is one of our objectives in China. DuPont strictly abides by the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, among other laws and regulations. We also follow the principles of non-discrimination and equal employment, regulate employment management with our DE&I strategy (diversity, equity and inclusion) and treat employees of different genders, ages and cultural backgrounds in a fair and just manner. We understand employee demands, support them in expressing themselves, and protect their rights and interests. In 2020, the average length of service of our employees was 10 years in China, and their voluntary turnover rate was 3.8%.



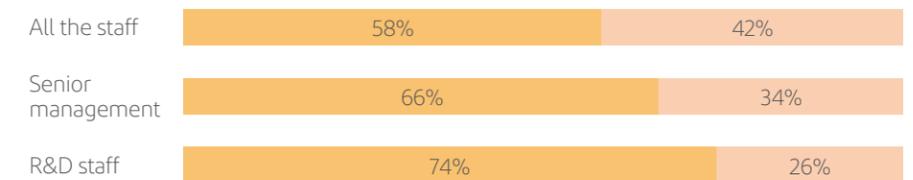
Improving employee representation

From senior executives to early career employees, we're working to improve representation across all our diverse groups.



■ Bachelor ■ Master ■ MBA
■ PhD ■ Other

Employees Education Distribution



■ Male ■ Female

Employees Gender Distribution

Building inclusive employee communities 

We explore the key cultural factors that either enable or hinder inclusion in the company by using survey data, interviews, focus groups and feedback from employee resource groups (ERGs). DuPont ERGs include DuPont Early Career Network (DECN), DuPont Women's Network, DuPont Asian Group (DPAG), etc.

Empowering female employees 

We care for the needs of female employees. We build an equal employment and development environment and create more opportunities and possibilities for them to realize their talents.

Supporting working parents 

We support working parents in achieving work-life balance through corporate system and culture building.

Respecting minorities 

Each person's identity is related to gender, gender expression, gender identity and sexual orientation. We recognize that everyone is unique, we take "treating others with respect and equality" as a core value, and encourage all people to feel like they are at home at DuPont.

Helping employees in need 

We care about every employee in need and help families who suffer from traumatic misfortunes and those who are in personal difficulties through assistance and other ways.

Case Asia-Pacific MLDP Project enables outstanding global students to have a better future together with DuPont China

DuPont's Management Leadership Development Program is dedicated to creating a tailor-made career path for selected talents, and preparing them to take the cross-regional senior management role in the future. In June 2020, DuPont officially launched the 2020 Asia-Pacific MLDP recruitment project in Shanghai. The program has attracted outstanding students from different cultural backgrounds around the world. They have shared their cultural specialties with other colleagues while exploring their career possibilities in DuPont.



Case Women's Leadership Forum for women's career development

In August 2020, DuPont Female Employees' Committee in China invited 26 female leaders from different departments to join the Women's Leadership Forum under the theme of "Equal Career Opportunities." All participants appreciated the opportunity to attend the event. The forum focused on the following topics:

- ♥ How can female employees unleash their potential and expand their career path
- ♥ How can female leaders better help female employees
- ♥ How can female employees build more effective support networks
- ♥ How can DuPont improve its care for female employees

Case Pride Month for inclusion and diversity

Every year in June, DuPont organizes Pride Month events that promote equity, respect and support. Pride Month 2020 was launched online due to the COVID-19 pandemic. Mr. Yi Zhang, Regional President, Asia Pacific of DuPont, and regional management sent a letter to all employees, encouraging them to express themselves and inviting them to build an environment where everyone feels their contributions are valued and their voices are heard. A diverse and inclusive team will help foster creativity and multi-dimensional perspectives and create a better company.



Cultivating well-being and fulfillment

The success of DuPont depends on our innovative and talented employees, who drive our strategic vision, manage our operations and develop the products we offer the world. Their well-being—which includes physical, mental and intellectual health—is of critical importance. We are making efforts to support our employees in coping with stress at work, meeting unique needs, and enhancing their levels of fulfillment.

DuPont has a diverse talent training system in China, providing employees with challenging work and an open environment of mutual respect, as well as diverse development and learning opportunities. We have also established an employee health and safety management system, continuously improving the work environment, and carrying out a variety of cultural and sports activities. We aim to create a workplace where all employees can thrive, realize their potential and high levels of well-being and fulfillment.

- Motivating employees to grow**

There are no fixed rules for career development. We help employees grow by providing targeted growth plans and training systems at different career stages, encouraging them to study independently, and stimulate their diverse potential.
- Safeguarding occupational health**

We have made safety and employee occupational health our primary focus. We recommit ourselves to our core value of Health and Safety every day, furthering our commitment to zero injuries, zero occupational illnesses, and zero incidents.
- Living a better life together**

We advocate work-life balance. Our diverse activities help enrich the cultural life of our employees, improve team cohesion, and encourage every employee to demonstrate their strengths and potential.

Case Leadership program for future managers

In 2020, the HR team of DuPont's Asian Pacific region launched the accelerated leadership development program called Leadership Camp. This program is designed for new DuPont employees and process leaders and is designed to foster these future leaders. Participants are taught how to lead and manage business, and the program covers DuPont critical leadership capabilities—Strategies, Execution, Inspiration, and is aimed to help people reach leadership positions. It involves a 12-week digital learning experience including weekly live learning sessions and small group discussions.



Additionally, we broadened employee access to learning resources and developed successful managers. DuPont employees can access courses from getAbstract, LinkedIn Learning and Harvard Mentor Manager. Each platform covers a wide range of topics including Leadership & Management, Sales & Marketing, Finance, Manufacturing, Human Resources, Sustainability, Information Technology, Personal Skills, and Safety & Health.

Case Continuous learning empowers employees

DuPont Xingda Filaments Co., Ltd. has established partnerships with local universities and colleges, sponsoring professional courses for its employees, and encouraging them to study in their spare time. Those who obtain advanced education degrees through self-studies will be rewarded. This initiative encourages employees to engage in continuous learning which results in higher morale, strengthening their sense of belonging to the company. This special program has helped 72 employees receive junior college degrees and 14 receive bachelor degrees in 2020. Another 18 employees will receive a college degree by July 2022.

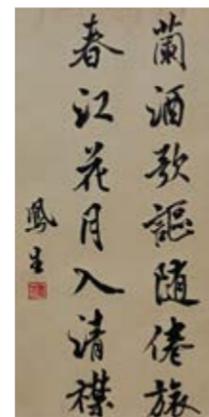
Case Arts and sports for a vibrant life

We encourage employees to develop their interests and hobbies by organizing diverse art courses which provide opportunities to develop a sense of art appreciation and gain fulfillment.

Du Pont Apollo (Shenzhen) Limited has been hosting calligraphy practice activities for nine months to engage employees who are interested and want to excel in calligraphy, thereby enhancing their artistic accomplishment and appreciation.



Calligraphy practice class



A calligraphic piece by an employee

We provide our employees with different types of sports activities and professional sports courses. In 2020, DuPont Shanghai Trade Union Federation organized 180 badminton games, 30 basketball games, 30 football games and 30 tennis games. Our employees also actively participated in various sports events under the "CIIC Cup" Fitness Competition for World-renowned Enterprise in China. Zhejiang OMEX Environmental Engineering Corporate and a DuPont plant in Huzhou, organized a walking campaign in October 2020 with all staff having finished the 8km challenge.



Team attending badminton game



Employees joining city orienteering



Walking campaign held by the DuPont Huzhou plant

Building thriving communities

To make safe and healthy lives and quality education accessible to more people, we work together to find ways to improve community well-being on a broader scale. Wherever DuPont operates around the world, we want to enable people and communities to thrive as communities which will make for a better world. In 2020, DuPont Global Community Impact team awarded more than 90 grants, investing in strategic programs that reached 21 countries. Over 55% of this funding was used by partners for emergency COVID-19 support. This meant tangible support for the containment of the virus in vulnerable countries and regions.*

In China, we encourage employees to be actively involved in community volunteering. We empower communities by increasing their access to critical needs such as clean water, good nutrition, and economic opportunities. We contribute to the prosperity of local communities by improving the living standards of residents living around our production facilities, and creating learning opportunities for them.



Supporting community education

We support the development of education in less privileged communities by continuously following issues in the educational environment and children's development in these communities. We also provide assistance to less privileged students.



Improving community environment

We care for our communities. We actively support the development of the communities where we operate and organize a variety of community activities that help make the community environment better and safer.



Contributing to community building

We regard joint development with communities as an important measure of our localized growth. We encourage all our staff to participate in community activities, conveying care and bringing warmth to local residents. Their work has gained recognition and appreciation from the local communities.

* Reflects global DuPont as presented in DuPont's 2021 Sustainability Report available at www.dupont.com/sustainability.

Case Working with Baiyun Primary School to support children's development

Baiyun Primary School is a school designed for the children of migrant workers in the community where CUPOSIT Electronic Materials Zhangjiagang Co., Ltd. is located. Most of the parents are local textile factory workers, who have little time to accompany their kids. To contribute to the children's development, the company brought interesting science experiments to Baiyun Primary School. The team also invited the children to the production plant to experience the fun of DuPont technology. In December 2019, students from the School visited the company for the launch ceremony of a kid-focused environmental protection event, where they tried to turn dirty water into clean water through chemical experiments.



Children engaged in water purification experiment

Case Visiting Xinfeng Primary School to build interest of technology

In November 2020, employee representatives from our ICS Dongguan, China site made a three-hour car trip to a primary school in Xinfeng County, a low-income region in a remote mountain area of Central-West China, to make a positive impact on the community. Not only did the team deliver uniforms to students and teachers, but also donated rice cookers, electric fans, disinfecting dishwashers and other necessities to the community where the school is located. To foster an interest in science among primary school children, DuPont volunteers led a class, sharing photos of DuPont materials and technology and explained how each of the products contributes to building a better, more sustainable world.



Group photo with the children of Xinfeng Primary School

Case Care for autistic children, cheer for life

On June 1, 2019, the public welfare partners of Zhejiang OMEX Environmental Engineering Corporate (DuPont Huzhou Plant) visited autistic children in Huzhou Yangfan Special Youth Development Center. They brought the children books, educational toys, teaching aids, food and other materials worth more than RMB 10,000. The company takes practical actions to care for autistic children and help them better integrate into society.



Volunteers from DuPont Huzhou plant visit autistic children

Case Working with Dongzhou Community for shared benefits

Du Pont Apollo (Shenzhen) Limited has been interacting with Dongzhou Community and was awarded the title of the Most Dedicated Community Builder and Caring Community Enterprise by the Community. In 2020, the company organized a garbage sorting knowledge quiz and a fire safety promotion activity, with more than 400 participants. The company was also awarded the Most Dedicated Unit for Fire Protection in 2020 by the Guangming District Fire Safety Committee.



Garbage sorting knowledge quiz



Winning the honorary title of Caring Community Enterprise

Case Providing much-needed supplies for the community to withstand the impact of extreme weather

In January 2021, when DuPont Xingda Filaments Company Limited learned that the local community was in need of industrial salt for emergency use in blizzard and freezing weather, it immediately donated 4 metric tons of industrial salt to the community for centralized distribution. This helped the community cope with the impact of extreme weather, and ensured the travel safety of residents, as well as nearby kindergarten teachers and parents.

Looking Ahead

Ever since our businesses entered the China market more than 30 years ago, they have participated in China's opening to the world and benefited from the country's development. As a responsible corporate citizen, we will remain committed to innovation-driven growth, green operations, social contribution and create sustainable value to the community.

We will continue to deliver solutions to address global challenges through local innovation. We are endeavoring in developing of local talents and inspire their innovation and creativity. We will leverage our innovations to contribute to China's sustainable development.

We will accelerate green transformation, improve our performance in resource conservation and sustainable usage. We will work with partners to develop solutions in key areas such as low-carbon development and water conservation, thus contributing to the ecological conservation and our commitment to carbon peak and carbon neutrality.

We will broaden the scope of diversity and inclusion, enable employees to work happily and realize their dreams, help communities flourish, support rural vitalization, and raise the living standards of more people.

As a multinational corporation with deep roots in China, DuPont will continue to use science and innovation to bring advanced materials and smart solutions to the evolving China market to support sustainable development in China, and embrace a more prosperous future together.

Cautionary Statement Regarding Forward Looking Statements

This communication contains "forward-looking statements" within the meaning of the federal securities laws, including Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. In this context, forward-looking statements often address expected future business and financial performance and financial condition, and often contain words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "see," "will," "would," "target," and similar expressions and variations or negatives of these words. Forward-looking statements address matters that are, to varying degrees, uncertain and subject to risks, uncertainties and assumptions, many of which that are beyond DuPont's control, that could cause actual results to differ materially from those expressed in any forward-looking statements.

Forward-Looking statements include statements which may relate to the purpose, ambitions, aims, commitments, targets, plans, and objectives of DuPont's sustainability strategy, including progress against its sustainability goals, and data related to its metrics, practices, actions and progress.

These statements are not representations, warranties or guarantees and are subject to certain risks, uncertainties and other factors, many of which are beyond our control, including government regulation. Therefore, the actual conduct of our activities, including the development, implementation or continuation of any program, policy or initiative discussed or forecasted in this presentation, may differ materially in the future. As with any projection or estimate, actual results or numbers may vary. The goals, commitments, standards and metrics referenced continue to evolve and are based on management assumptions believed to be reasonable at the time of preparation but should not be considered warranties or guarantees. Other risks to DuPont's business, operations; each as further discussed in detail in and results of operations as discussed in DuPont's annual report on Form 10-K for the year ended December 31, 2020 and its subsequent reports on Form 10-Q and Form 8-K. Unlisted factors may present significant additional obstacles to the realization of forward-looking statements. Consequences of material differences in results as compared with those anticipated in the forward-looking statements could include, among other things, business or supply chain disruption, operational problems, financial loss, legal liability to third parties and similar risks, any of which could have a material adverse effect on DuPont's consolidated financial condition, results of operations, credit rating or liquidity. You should not place undue reliance on forward-looking statements, which speak only as of the date they are made. DuPont assumes no obligation to publicly provide revisions or updates to any forward-looking statements whether as a result of new information, future developments or otherwise, should circumstances change, except as otherwise required by securities and other applicable laws.



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