

An aerial photograph of a multi-lane highway bridge spanning a large body of water. The water is a vibrant turquoise color. Several vehicles, including cars and a truck, are visible on the bridge. The bridge has a central median and lane markings. The surrounding landscape includes green vegetation and a rocky shoreline.

# Innovative Water Solutions: Enabling the World to Thrive

Solving global challenges for purification,  
separation, conservation, & reuse



**Our purpose is to solve global challenges in purification, separation, conservation, and reuse, collaboratively, because we know together we are stronger.**



## **A Water Optimized World**

It is no secret that fresh water supplies are under pressure almost everywhere. With more people, more industry, depleting resources, pollution and climate change, the pressure on water supplies will continue to intensify.

Despite these challenges, we are optimistic about the water future. We see a clear path to a future where all of the 7.8 billion people on this planet have access to safe, clean drinking water every day. A future where industry has the necessary water to make the products on which we rely—increasing industrial output through water reuse and conservation and raw material recovery. A future where we optimize the circular nature of water and not a drop is wasted.

We call this a Water Optimized World. And we look forward to witnessing the societal, environmental and economic values that come with increased access to clean water.

We know it is doable. Many of the technologies required to optimize water—from the home level to the global level—exist today. We just need to change some misconceptions on water to unlock effective and affordable solutions that can be quickly adopted by communities, cities and companies. And once we do, we'll see that solutions intended to improve the sustainability of water also reduce the costs of clean water.

No one team will be able to solve this challenge alone—it will take a collaborative approach across companies, sectors and borders in order to shape a water future that is best for the planet and best for society.

Our team has been innovating water solutions for more than 70 years. And we are just getting started.

# Possibility flows with us

## What We Do Best

### Providing Solutions for Purification, Separation, Conservation, & Reuse

Helping to solve intractable water challenges: it's our commitment. Following through with the broadest, proven, end-to-end portfolio of water-treatment and separation technologies so you can produce, purify, and extract some of the most commercially important products around the globe: it's what we do best.

## How We're Different

### Placing You at the Center of the Solution

Our collaborative approach enables us to work closely with customers to understand their situational issues, including their water-treatment and specialty separation requirements. We then bring our deep understanding of the industry's greatest challenges — both short- and long-term — to shape tailored, integrated solutions.

## The Value of Working Together

### Ensuring Quality and Delivering Value

The value of working with us goes beyond benefitting from our product portfolios. We provide training, support, and services, and bring our local expertise to global markets, making knowledge more available for partners across the water value chain.



# Global reach with local expertise

With a large global manufacturing footprint, strong R&D expertise, and technical support services, DuPont partners with you to understand unmet needs and develop tailored solutions.

Revenue Countries Served



Manufacturing Sites Industries Served Technology & Innovation Centers





# Driving innovation for a diverse set of industries



## Residential & Commercial

Our reverse osmosis (RO) and ion exchange resin (IER) technologies are helping meet the growing demand for affordable and versatile solutions for purifying tap water both in homes and in commercial enterprises. We offer a range of proven residential water-treatment options for clean and safe drinking water, leading to a better quality of life and peace-of-mind.

## Industrial Water & Desalination

We help manufacturers produce the water that advances their operations, while helping reduce waste and improve energy efficiency. Our multi-tech portfolio has solutions for everything from pure water generation for microelectronics to desalination technology and even sulfate removal for the oil and gas extraction industry.



## Municipal

To ensure a steady flow of clean, safe drinking water into local communities, we offer expertise and advanced technologies that enable municipal water-treatment solutions such as wastewater treatment, drinking-water production, and trace contaminate removal.

## Specialty

As a global market leader in adsorbents and ion exchange resins, we offer a broad range of products across the life sciences: bioprocessing, biopharma, pharmaceutical excipients, and pharmaceutical APIs. In addition, our advanced filtration and specialty separation technologies assist with enhancing the taste and quality of food and beverages to help feed a growing world.



## Emerging Innovations

Our novelty solutions include functionalized nanofibers for high capacity purification in bio and microelectronic industries, as well as lithium-selective membranes and resins. The smart element integrated within our WAVE software provides unique solutions for consumers in every industry.

# Technologies

Our portfolio integrates a broad range of ion exchange resins (IER), reverse osmosis and nanofiltration (RO & NF) membranes, ultrafiltration (UF) membranes, and electrodeionization (EDI). Our offering has now expanded to include membrane bioreactor (MBR), membrane aerated biofilm reactor (MABR), closed circuit reverse osmosis (CCRO), and membrane degasification (MDG) technologies. With our comprehensive set of water solutions, we are leaders in the development of sustainable methods of water management.



## **Reverse Osmosis (RO), Closed Circuit RO (CCRO), and Nanofiltration (NF)**

DuPont is a leader and pioneer in the RO and NF industry across brackish water, seawater, and wastewater applications for more than 40 years. We also recently added closed-circuit reverse osmosis to the portfolio, bringing the industry a step-change in filtration performance.



## **Ion Exchange Resin (IER)**

DuPont is the leader in providing the industry standard in ion exchange resins for more than 80 years with differentiated durability and superior quality.



## **Ultrafiltration (UF)**

DuPont has catapulted the industry with a UF portfolio that combines three leading brands – DuPont™, Inge®, and Memcor® – to deliver 75 years of experience and knowledge.



## **Membrane Bioreactor (MBR)**

DuPont MBR is pioneering sustainable solutions for wastewater treatment needs globally to lower energy, simplify operations, reduce footprint and improve water quality.



## **Membrane Aerated Biofilm Reactor (MABR)**

DuPont's OxyMem offers the industry an award-winning biofilm-based biological wastewater treatment system, helping facilities reach their goals with 'drop-in' MABR modules.



## **Membrane Degasification (MDG)**

DuPont™ Ligasep™ Membrane Degasification systems reliably remove dissolved gases from water to prevent oxidation and reduce ionic load on downstream processing equipment.

# Solving the world's water-treatment challenges is what we do best

Addressing a broad range of water-treatment applications for water filtration and separation, and more, our technologies and solutions help you with:

Boiler Feedwater



Catalysis



Condensate Polishing



Cooling Tower



Demineralization



Desalination



Drinking Water



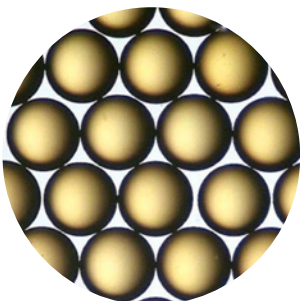
Minimal Liquid Discharge



Pharma and Ingredient Water



Separation



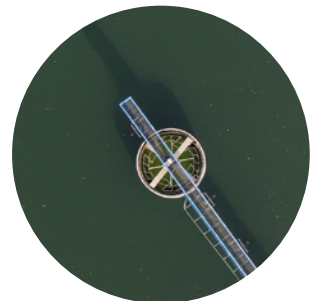
Trace Contaminant Removal



Ultrapure Water

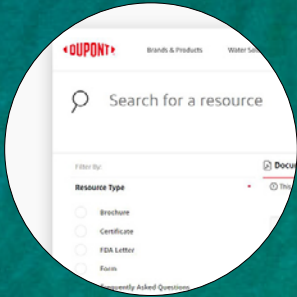


Wastewater Reuse





# Services We Offer



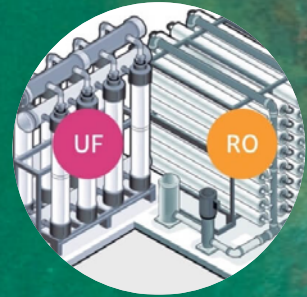
## Resource Center

Search our library of documents, case studies, FAQs and videos.



## Webinars

Build your technical know-how and applications expertise.



## Design Software

Access our WAVE software for water treatment system design.



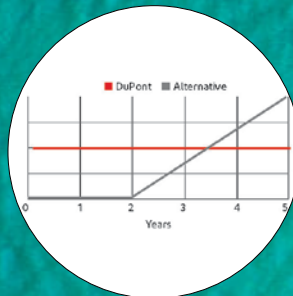
## Anti-Counterfeiting Solutions

See how we assure customers that our products are genuine.



## System Optimization Services

Learn more about our resin, element and module testing services and our experts' know-how to optimize your operation.



## Invest to Save Calculator

Use the Invest to Save Calculator to quantify your OPEX savings.



## Water Solutions

Have a question?

Contact us at:

[dupont.com/water/contact-us](https://www.dupont.com/water/contact-us)

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