

Science & Technology at a Glance

Innovation -- the translation of scientific ideas into new products and technologies that address real problems, creating solutions the world embraces.



Innovation

Take a quick look at how DuPont innovation changes markets and improves lives globally

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Today the DuPont Experimental Station is one of several R&D facilities and continues to be home to some of the world's most important scientific discoveries, including:

- Kevlar® advanced fibers;
- Nomex® advanced fibers
- Tyvek® nonwovens
- Suva® refrigerants
- Corian® solid surfaces
- Mylar® polyester film
- Surlyn® polymers
- Sulfonylurea herbicides
- Plenish® brand high oleic soybean oil
- Sorona® renewably sourced polymers
- Nylon— the world's first synthetic fiber
- Neoprene – the world's first synthetic rubber

DuPont invests about \$1.4 billion a year on research and development (R&D) in a diverse range of technologies for a broad range of markets from electronics to agriculture. DuPont has more than 8,500 technologists and engineers. Funding includes scientific advancements for discovery research, product development and process improvements.

The roots of DuPont science trace back to 18th century France to Antoine-Laurent Lavoisier, often called the father of modern chemistry. Eleuthère Irénée du Pont, one of Lavoisier's students and protégés, founded DuPont in 1802 based on Lavoisier's technology for manufacturing black gunpowder.

“Market insight and foresight guide our innovation investment decisions.” – Thomas M. Connelly, Executive Vice President & Chief Innovation Officer

R&D now under way includes work on new products and technologies using a diverse science toolkit that includes industrial and agricultural biotechnology, nanotechnology, chemistry, materials science, engineering and more. Cutting-edge science is being applied to the development of new seed, crop protection and nutrition products to increase food production; alternative energy technologies to decrease dependence on fossil fuels; and new protective materials that keep people safe whether at home or on the job.

DuPont measures the strength of its innovation pipeline by sales from new products, number of new products launched and patents filed and granted. In 2008, DuPont revenue from products launched within the past five years was more than \$10.5 billion, or 35 percent of the company's revenue. The company launches nearly 1,000 new products annually and has seen a steady increase in patents filed and granted since 2000.

DuPont is home to one of the world's first and largest industrial R&D facilities – the Experimental Station in Wilmington, Del. The 150-acre campus-style Experimental Station was established in 1903 to diversify the company's product offering into new industries by first researching cellulose chemistry.

In addition to the Experimental Station, DuPont has more than 75 R&D facilities globally with more than 40 in the United States and at least 35 in 11 other countries. More than 2,000 technologists and engineers are employed outside the United States. Other major R&D facilities are located in Johnston, Iowa; Hyderabad, India; Shanghai, China; Kanagawa, Japan; Wuppertal, Germany, and Meyrin, Switzerland. Global research and development occurs in a diverse range of technologies for many markets including agriculture, automotive, construction, electronics, chemicals, industrial materials and alternative energy.



The miracles of science™