



Enriching lives through  
everyday excellence



# Enriching your life... one product at a time

LyondellBasell is one of the world's largest petrochemicals, plastics and fuels companies.

LyondellBasell manufactures products and develops technologies that deliver exceptional customer value and improve the quality of life for people around the world. Our products are the basic building blocks used to manufacture countless everyday goods such as fresh food packaging, lightweight plastics and automotive parts, high-strength construction materials, durable textiles, medical applications, biofuels and many others. With the help

of LyondellBasell materials, thousands of products are made safer, stronger, more affordable and more reliable.

To LyondellBasell, social responsibility means managing our facilities to protect the environment and the health and safety of our people. We also believe it is important to enhance the local communities where we operate. We recognize that the safe manufacture and use of our products require our dedicated care and expertise.

## Fast facts

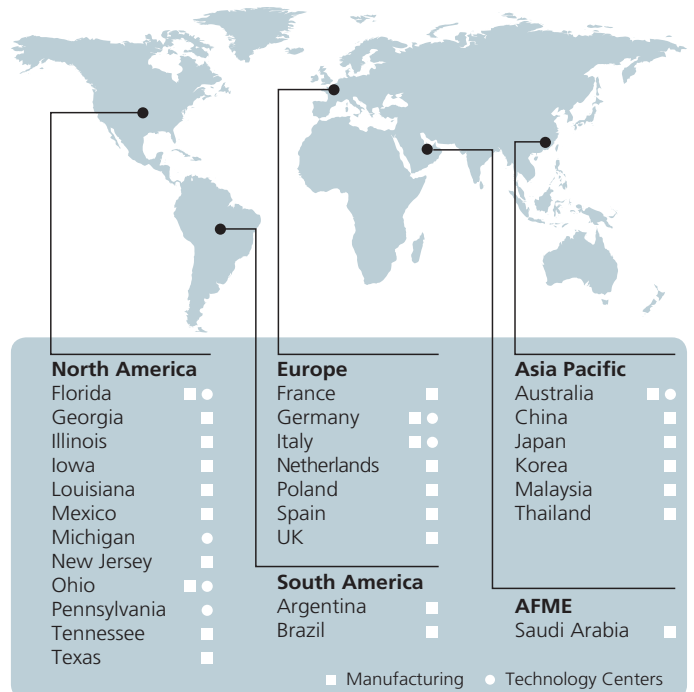
- More than 15,000 employees worldwide
- More than 50 manufacturing sites in 19 countries
- Sales in more than 100 countries
- \$50.7 billion in combined revenue (2008)
- #147 in the Global Fortune 500
- #4 in the ICIS Top 100 Chemical Companies

## Global rated capacity rank<sup>1</sup>

Polypropylene	1st
Propylene Oxide	1st
Polypropylene Compounding	1st
Polyolefin Licensing <sup>2</sup>	1st
Polypropylene Catalysts	1st
Oxygenated Fuels	2nd
Propylene Glycol & Propylene Glycol Ethers	2nd
Polyethylene	3rd
Light Olefins (Ethylene & Propylene)	5th
Refining Capacity	373,000 barrels per day

(1) Sources: CMAI and LyondellBasell estimates. Based on nameplate capacity as of December 31, 2008 and includes 100% of joint venture capacity.

(2) Capacity of third parties that license our technology.



Our products are the basic elements used to manufacture countless goods and products that people use every day.



\*Estimate based on revenue.

# Products that conserve and increase energy efficiency

LyondellBasell is committed to producing products and developing technologies in a way that supports sustainability. Our core values and performance targets include continuous improvement in energy use and reduction of resource intensity. A few areas in which our company or products contribute to energy conservation include:

- | Consumer and industrial products and packaging materials produced using our plastics consume less energy throughout their life cycle than traditional materials. For example, the use of clear plastic in bottles rather than glass can achieve a 25 percent reduction in energy consumption.
- | Automotive parts manufactured with LyondellBasell products contribute to greater fuel efficiency with their lightweight, durable construction. Our products are used to make everything from impact-absorbing body side molding and airbags to wheel wells, door seals and carpet fibers.
- | LyondellBasell facilities conserve energy by using cogeneration technology throughout Europe and the United States. The improved efficiency from cogeneration alone has reduced LyondellBasell's current energy consumption by 19.3 trillion Btu per year, the equivalent of electricity required to power 175,000 homes annually.
- | Our wire and cable products are used in solar energy and wind generation cable systems that deliver power from alternative energy sources to residential and commercial communities. LyondellBasell also produces material that is used in windmill blades.
- | Through our energy-efficient roofing and foam insulation products, families and businesses can reduce their winter and summer energy consumption and costs.
- | The full-conversion ability of LyondellBasell's Houston Refining operation enables processing of lower-quality crude oils into valued domestic energy products, including gasoline, low sulfur diesel and jet fuel.



# Technologies and products that protect our environment

As members of the global community, we have a responsibility to operate in a manner that protects people and the environment in order to preserve the planet for future generations. This commitment is demonstrated by the many products in our portfolio that help to reduce environmental impact and contribute to a sustainable future, including:

- | Bio-based fuel products that help to reduce carbon dioxide (CO<sub>2</sub>) emissions and utilize alternative energy resources.
- | Solvents used in paints and coatings that decrease urban smog, reduce VOC emissions for lower overall environmental impact and extend the surface life of building and automotive coating applications.
- | Lightweight pipes, manufactured with our resin, are used to upgrade water distribution systems, provide energy-efficient radiant indoor heating, gather and distribute natural gas and supply renewable geothermal energy.
- | The strength and durability of our resins when used in plastic liners in landfills help to prevent leaching, cracking and water contamination.
- | Eighty percent of a rechargeable lithium battery is manufactured with materials produced by LyondellBasell. Plastic automotive battery casings also can be recycled.
- | Polyolefins as wood substitutes, found in consumer products such as fencing and decks, help prevent splintering and decay and extend the life of the final applications.



*“Great products are the ones that address the needs of the end user in an environmentally sound manner. That’s our goal. That’s what we do.”*



# Discoveries that make life healthier

Taking preventative measures to avoid illness or injury is always important. Every day, LyondellBasell products play a role in the care of patients and the protection of health care workers. Did you know that...

- | Medical products such as synthetic latex gloves, sutures, surgical dressings, bandages, splints, syringes, vials and therapy whirlpools are made possible through chemicals and polymers produced by LyondellBasell.
- | From pills and cough medicines to the packaging that protects them, LyondellBasell products can be found in a variety of pharmaceutical end uses and vaccines.
- | A key ingredient in antibacterial hand sanitizer is produced by LyondellBasell, helping families and health care professionals prevent the spread of harmful germs.
- | Various medical supplies are protected against contamination through the use of our products. These sterile supplies protect medical staff from infections and patients from complications during and after medical procedures.
- | LyondellBasell's complete line of flavors and fragrance chemicals are used to make syrups, cough drops and other medicines taste better.
- | The use of our products in building and construction materials allows for the design of robust health care facilities built to maximize space and withstand natural disasters.



# Innovations that ensure peace of mind

Knowing your family is safe and secure is invaluable. LyondellBasell manufactures products that improve your safety and comfort, both at home and on the job. See how LyondellBasell products help ensure your family's well-being:

- | Our durable plastics can be found in countless products that protect children such as tamper-evident packaging, safer toys and protective helmets.
- | LyondellBasell helps make car travel safer with our high-strength products that are used in automobile bumpers and materials that create puncture-resistant tires, which can decrease injuries resulting from automobile accidents.
- | At the supermarket, LyondellBasell products help protect the safety, freshness and flavor of many food and consumer items.
- | From personal care items such as facial cream and sunscreen to special lenses in sunglasses, LyondellBasell materials are key building blocks for the products that protect families against the sun's harmful UV rays.
- | LyondellBasell helps the farmer by producing a chemical that safely delivers pesticide formulations, protecting crops and preventing waste.
- | At the end of the day, a good night's sleep is made possible with comfortable mattresses produced using LyondellBasell materials.



*"The refinery plays a vital role in the community by providing jobs and promoting volunteerism. I know LyondellBasell Houston Refining will continue to be a success for the community and this country."*

Don Gilkey | Coker Operator, LyondellBasell Houston Refining | Houston, Texas, USA

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