

OUR SUSTAINABILITY JOURNEY

From the clothes we wear to the food we eat – from chemistry that purifies water to technology that conserves energy to products that make our lives more comfortable, healthier, safer and enjoyable – The Dow Chemical Company plays a vital role in addressing the needs of our evolving planet.

We are aggressively reducing our own impact on the environment and pointing our \$1.6 billion innovation engine toward helping customers, communities and every individual on the planet have the ability to do the same.

The most important element of all is not found on the periodic table – yet is part of every equation for the future. It is the Human Element. Dow people are “Setting the Standard for Sustainability” by working on the world’s biggest challenges – energy, climate change, water, food, housing and health.

SMART SOLUTIONS

Our technologies enable our customers, and their customers, to develop products and services for a more sustainable future.

- ◆ High-performance epoxies that enable lighter and stronger wind blades
- ◆ Proven heat transfer fluids that collect, transport and store solar generated heat
- ◆ Advanced filtration systems that enable clean water where urgently needed
- ◆ Zero trans-fat Omega-9 canola and sunflower oils that meet consumer demand for healthier foods
- ◆ Breakthrough insulation products that help homeowners improve energy efficiency and lower utility bills
- ◆ Plastics and bonding solutions that make vehicles tougher and lighter for increased safety and fuel efficiency

INNOVATIONS FOR TOMORROW

We contribute to the sustainability of society and our planet by developing innovative technologies for current and future markets.

- ◆ Photovoltaic solutions that will make harnessing energy from the sun practical for common households

2015 GOALS

- ◆ Double the percentage of sales to 10% for products which are advantaged by sustainable chemistry
- ◆ Achieve at least three breakthroughs that will significantly help solve world challenges
- ◆ Reduce our greenhouse gas intensity 2.5% per year
- ◆ Reduce our energy intensity 25%
- ◆ Publish product safety assessments for all products
- ◆ Achieve individual community acceptance ratings for 100% of Dow sites where we have a major presence
- ◆ Achieve on average a 75% improvement of key indicators for Environment, Health & Safety operating excellence from 2005 baseline

- ◆ Next generation high-power battery technology for hybrid and electric vehicles, supported by \$161 million federal grant
- ◆ World’s largest bio-derived plastics facility under development in Brazil to convert sugar cane to polyethylene
- ◆ Diesel particulate filters that reduce emissions, for higher performance and lower cost
- ◆ World’s first eight-gene stacked combination that protects corn from weed and insects for increased yield

RESPONSIBLE OPERATIONS

Our infrastructure has a positive impact on our company, our communities and ourselves – our operations are a model for others, wherever we operate.

- ◆ Since 1990, we have reduced our own greenhouse gas emissions by more than 20 percent, far exceeding Kyoto Protocol targets
- ◆ Over 200 Product Safety Assessments posted on our website
- ◆ Terneuzen, Netherlands plant re-uses municipal household waste water to save water and energy
- ◆ Dow’s insulation products help avert hundreds of millions of metric tons of CO₂ each year

PARTNERS FOR CHANGE.

We are leaders in advancing all aspects of sustainability, openly collaborating with customers, suppliers, communities, civil society and governments.

- ◆ Project with Algenol Biofuels, Inc. to build pilot-scale algae-based biorefinery to convert CO₂ to ethanol.
- ◆ Project with Alstom to design advanced amine CO₂ capture pilot plant in West Virginia
- ◆ Dow’s charitable foundation pledged \$1.5 million to The Nature Conservancy to reforest Brazil’s Cachoeria reservoir
- ◆ Founding member of the United Nations Global Compact’s CEO Water Mandate to address the global water crisis
- ◆ Partnered with The Keystone Center for Education on high school curriculum encouraging students to use chemistry to solve global sustainability challenges.

RECOGNITIONS

- ◆ Awarded a sixth U.S. Presidential Green Chemistry Challenge Award – more than any other organization
- ◆ Named to the Dow Jones Sustainable World Index for the eighth time
- ◆ Named 2008 ENERGY STAR Partner of the Year for excellence in energy management and reduction in greenhouse gas emissions by U.S. EPA and DOE
- ◆ American Chemical Society Heroes of Chemistry award for water purification technology impact on society
- ◆ Named only chemical company in 2009 top 10 China “50 Green Companies” award

