

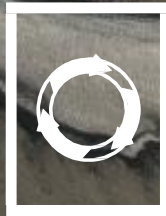
2025 Sustainability Goals



Leading the
Blueprint



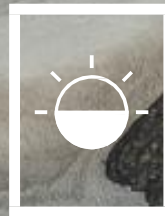
Delivering
Breakthrough
Innovations



Advancing a
Circular
Economy



Valuing
Nature



Increasing
Confidence in
Chemical
Technology



Engaging
Employees for
Impact



World-Leading
Operations
Performance

Neil C. Hawkins, Sc.D.
Chief Sustainability Officer
Corporate Vice President
Environment, Health & Safety



A close-up, high-angle photograph of a microscope's objective lenses. The lenses are metallic and cylindrical, with some showing fine ridges. The background is dark and out of focus, emphasizing the precision and detail of the microscope's components.

Dow: An Innovation Company

Founded in 1897

120 years of growth

Largest chemical company in the U.S.

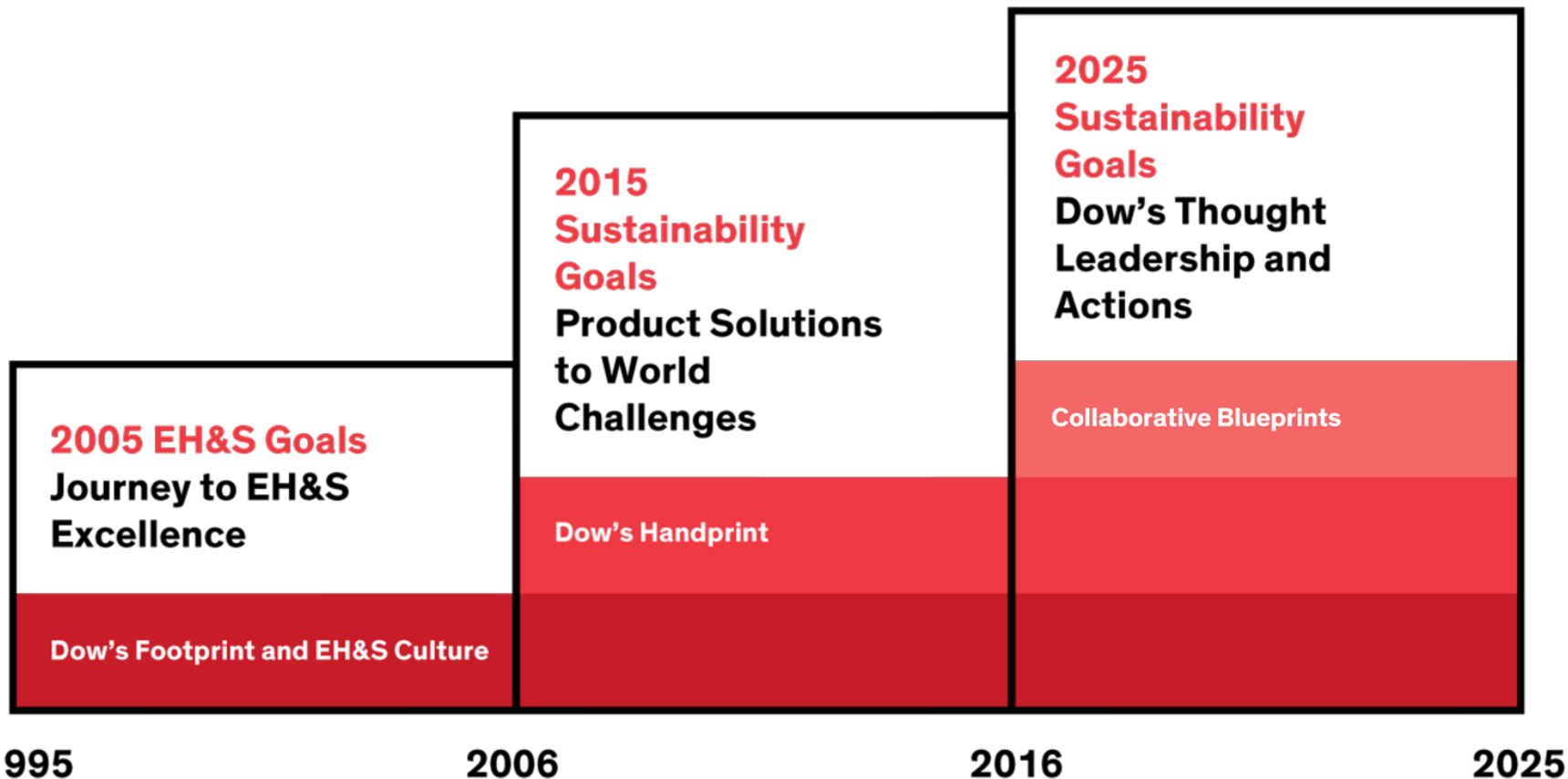
\$48 billion in annual revenue in 2016

~ 56,000 employees worldwide

Integrated value chains aligned to high-growth sectors

**7,000 products manufactured at 189 sites
in 34 countries across the globe**

Dow's 2025 Sustainability Goals introduce the notion of a collaborative set of *blueprints* for sustainability, building upon previous 10-year commitments focused on the company handprint (2006) and footprint (1995).



Footprint: World-leading operations and supply chain performance

Handprint: Products and services that help customers meet their challenges

Blueprint: Changes in technology, public policy, and the value chain that lead human society toward sustainability ³



By 2030,
the world's population will reach
8.3 billion, requiring:
50% more food
40% more energy
30% more water

Addressing World Challenges



RESOURCE SCARCITY

By 2030, water needs are expected to grow **50%**

35% Of the world's population will live in water scarce regions by 2020



POPULATION GROWTH

There will be **1 billion** more mouths to feed by 2025

Global food demand will increase **70%** between 2000 and 2050



ENERGY CONSUMPTION

GDP growth will continue to drive energy consumption

Demand should increase by **30%** in the next 15 years

Through strong collaboration and innovation that extract value from material, polymer, chemical and biological science, Dow is delivering the value our customers want and solutions the world needs.

Packaging

Providing solutions to keep foods fresher, and to improve material efficiency across the value chain

Energy/Water

Tackling water and energy challenges in sustainable ways

Infrastructure

Enabling buildings that are energy efficient and resilient

Transportation

Contributing to lighter, more fuel-efficient cars

Consumer

Helping to achieve solutions for healthier foods, effective pharmaceuticals and active lifestyles

Durables & Industrial

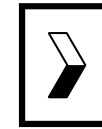
Helping safely close the resource loop and improve efficiency

2025 Sustainability Goals



Leading the Blueprint

Dow leads in developing societal blueprints that integrate public policy solutions, science and technology, and value chain innovation to facilitate the transition to a sustainable planet and society.



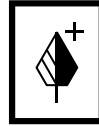
Delivering Breakthrough Innovations

Dow delivers breakthrough sustainable chemistry innovations that advance the well being of humanity.



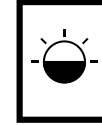
Advancing a Circular Economy

Dow advances a Circular Economy by delivering solutions to close the resource loops in key markets.



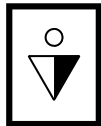
Valuing Nature

Dow applies a business decision process that values nature, which will deliver business value and natural capital value through projects that are good for the company and better for ecosystems.



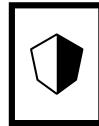
Increasing Confidence in Chemical Technology

Dow increases confidence in the safe use of chemical technology through transparency, dialogue, unprecedented collaboration, research, and our own actions.



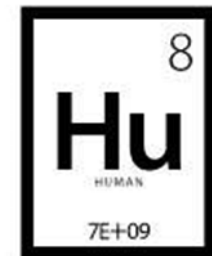
Engaging Employees for Impact

Dow people worldwide directly apply their passion and expertise to advance the well being of people and the planet.



World-Leading Operations Performance

Dow maintains world-leading operations performance in natural resource efficiency, environment, health, and safety.



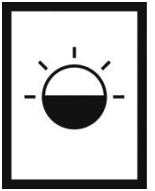
Dow's 2025 Sustainability Goals Align by Design to the United Nations Sustainable Development Goals

Sustainable Development Goals



	Leading the Blueprint	Delivering Breakthrough Innovations	Advancing a Circular Economy	Valuing Nature	Increasing Confidence in Chemical Technology	Engaging Employees for Impact	World Leading Operations Performance
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Goal 5: Increasing Confidence in the Safe Use of Chemical Technology



Dow increases confidence in the safe use of chemical technology through transparency, dialogue, unprecedented collaboration, research and our own actions.

Substantially improve the level of support for the use of chemical technology among key stakeholder groups



Alignment to UN SDGs



Working with Customers in Our Value Chain

84%

OF CONSUMERS SAY THEY
SEEK OUT RESPONSIBLE
PRODUCTS WHENEVER
POSSIBLE



SOURCE:
UN GLOBAL COMPACT'S GLOBAL OPPORTUNITY REPORT 2017

Delivering the Value Our Customers Want and the World Needs

Global Challenges



Market Opportunities

Bringing quality water to where it's needed

Using energy more wisely and creating new sources

More food, healthier food and less waste

Higher standard of living for a growing global population

Science-Driven Solutions

Reverse osmosis filters
Microbial control
Pipeline materials

Building insulation
Structural adhesives for automobiles
Solar shingles
Gas-treating products

Weed and insect control
Seeds and trait technology
Healthier oils
Flexible food packaging

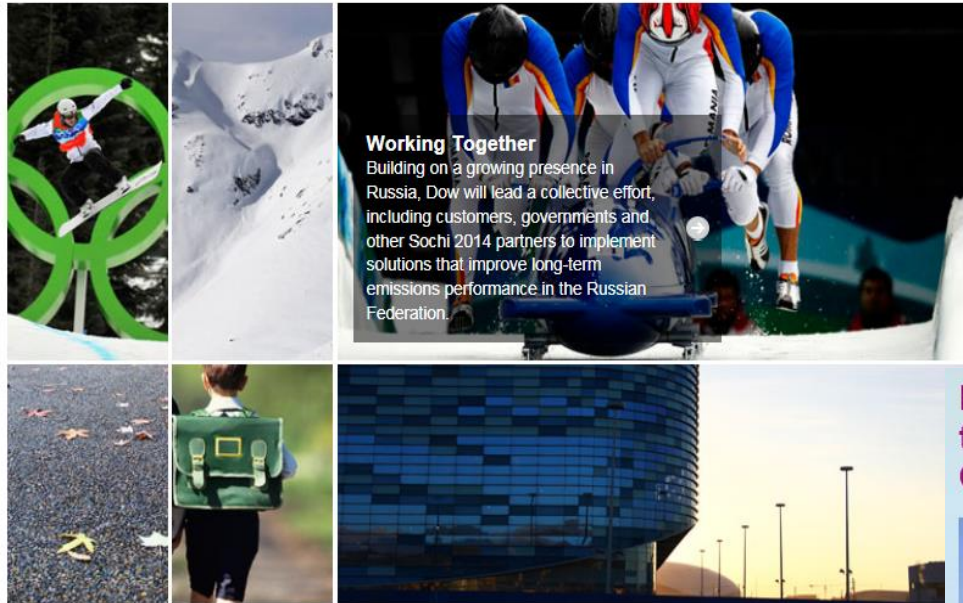
Next-generation electronic materials
Enhanced drug formulations
Low VOC paints

Collaboration



Bringing Dow Solutions to the Olympics

The Official Carbon Partner of Sochi 2014



Rio 2016 and Worldwide TOP Partner Dow announce the most comprehensive carbon programme in Olympic Games history



Dow's Natural Capital Journey



Seadrift Constructed Wetland

- NPV of cost savings = \$280MM



Nature is Valuable

- Collaboration with TNC
- Revising business decision-making processes
- New tools
- Publications



Natural Infrastructure Projects and 2025 Valuing Nature Goal

Conservation
Monetization

Dow Sustainability Fellows Program: Groundbreaking Approach to Sustainability Education

As a Company, Dow realizes global challenges are not solved in silos.

- Collaborations between the public and private sector, academia and NGOs must be developed.
- Dow Sustainability Fellows Program brings together unconventional fields of study – from social work and business to the sciences and arts – to address real-world sustainability challenges.
- Interdisciplinary approach helps inspire game-changing collaborations that transform the way research is conducted, drive change across sectors and help transition to a sustainable planet and society.

Evolve sustainability to an interdisciplinary field that brings together diverse minds to solve complex problems

Dow Sustainability Fellows by the Numbers

Launched in 2012 to foster interdisciplinary approach and applied research for sustainability



17 of 19

U-M schools and colleges engaged since 2013

300 University of Michigan fellows supported to date



54+ companies and organization currently employing Dow sustainability alumni



48 funded projects in 12 countries since 2013

Award-winning Sustainable Innovations



Highlights

- Presidential Green Chemistry Challenge Award [10th]
- Top 100 Global Innovator for Sixth Consecutive Year
- Dow Jones Sustainability Index
- SCI Perkin & Gordon Moore Medals in 2016
- Seven R&D 100 awards in 2016
- Edison Awards
- Business Intelligence Group's Sustainability Award
- AGROW Awards

R&D spend: \$1.6 billion



Blueprint: Our Path Forward