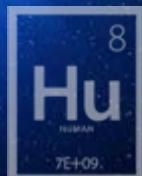




Science for a Sustainable World:

# University Research Engagement



**Neil Hawkins**

Vice President, Sustainability and EH&S  
The Dow Chemical Company

# Our Industry

Turning feedstocks into essential products



Salt



Gas



Oil



Coal



Biomass



Recycle



Building & Construction



Electronics



Agriculture



Wire & Cable



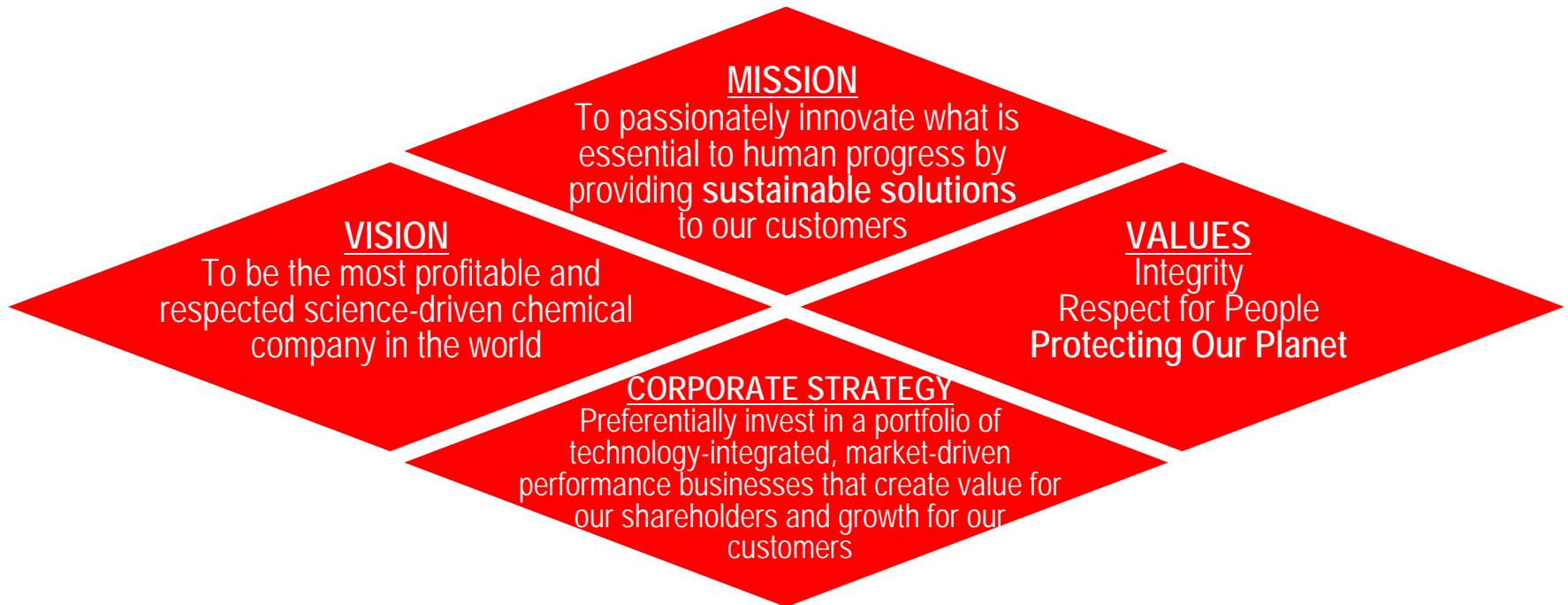
Coatings



Automotive



# Integrating Sustainability into our Corporate Strategy



**Corporate Themes:**

Financial Discipline  
Strategic Growth

**Sustainability**

Performance Culture



Smart  
Solutions



Innovations  
For Tomorrow



Responsible  
Operations



Partners For  
Change





**\$1.6 billion annual R&D budget**  
More than the combined annual budget of all  
U.S. university chemistry departments

# Strategic Universities

Strategic Expertise

Ongoing Relationships

Interdisciplinary

Recruiting



**SPONSORED  
RESEARCH**

**CATALYZED  
LEARNING**



Long-term Relationships  
University & Government Partnerships  
Licensing

Secondee Researchers & Faculty  
Publications  
IP Agreements



**Sponsored Research**

**Cal Tech Solar Research Platform**

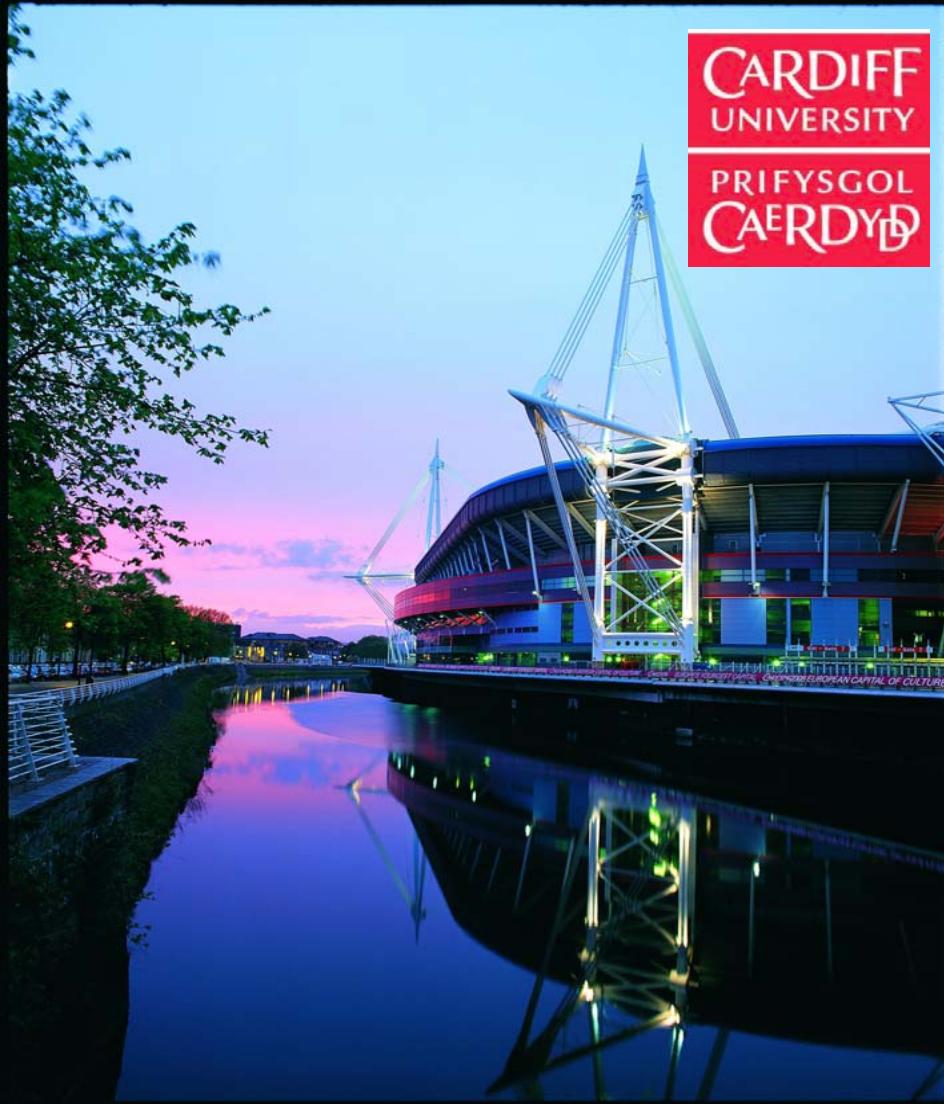


**Sponsored Research**

**KAUST Industrial Collaboration Partnership**



NORTHWESTERN  
UNIVERSITY



**Sponsored Research**

**Dow Methane Challenge Grant**



## Sponsored Research

**Advanced polymer science  
and interfacial science in China**





CATALYZED  
LEARNING

Business School Engagement  
Public Policy Engagement  
Fellowships  
Awards/Research Prizes

Curriculum/Skills Development  
Endowed Chairs/Professorships  
Interdisciplinary Capacity Building



**Catalyzed Learning**

**Business School Engagement**

Net Impact

New Business Models/Markets

MBA Internships

CEIBS in China

Projects



FREDERICK A. AND BARBARA M.  
**ERB INSTITUTE**  
FOR GLOBAL SUSTAINABLE ENTERPRISE  
UNIVERSITY OF MICHIGAN

**M** GRAHAM ENVIRONMENTAL  
SUSTAINABILITY INSTITUTE

**Catalyzed Learning**

**Erb and Graham Institutes**



The University of Sydney



**Catalyzed Learning**

**Public Policy Engagement**

United States Studies Centre





Catalyzed Learning

## Curriculum Development

Organizational Dynamics

Research Projects

Green Jobs

Sustainable Packaging



**Catalyzed Learning**

**Fellowships**

Tufts University – Beyond Benign

University of Michigan – Erb Institute

University of Michigan – China



## Catalyzed Learning

## Awards/Research Prizes

Dow Sustainability Innovation Student Challenge Award

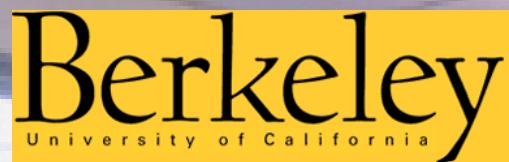


Catalyzed Learning

## Sustainable Products and Solutions Program

5-year Multimillion dollar commitment

Interdisciplinary



Catalyzed Learning

Dow Endowed Chairs



Catalyzed Learning

**Dow Technology & Know-how**

University of Michigan Campus

Sustainability Integrated Assessment



Science for a Sustainable World:

# **University Research Engagement**

