



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



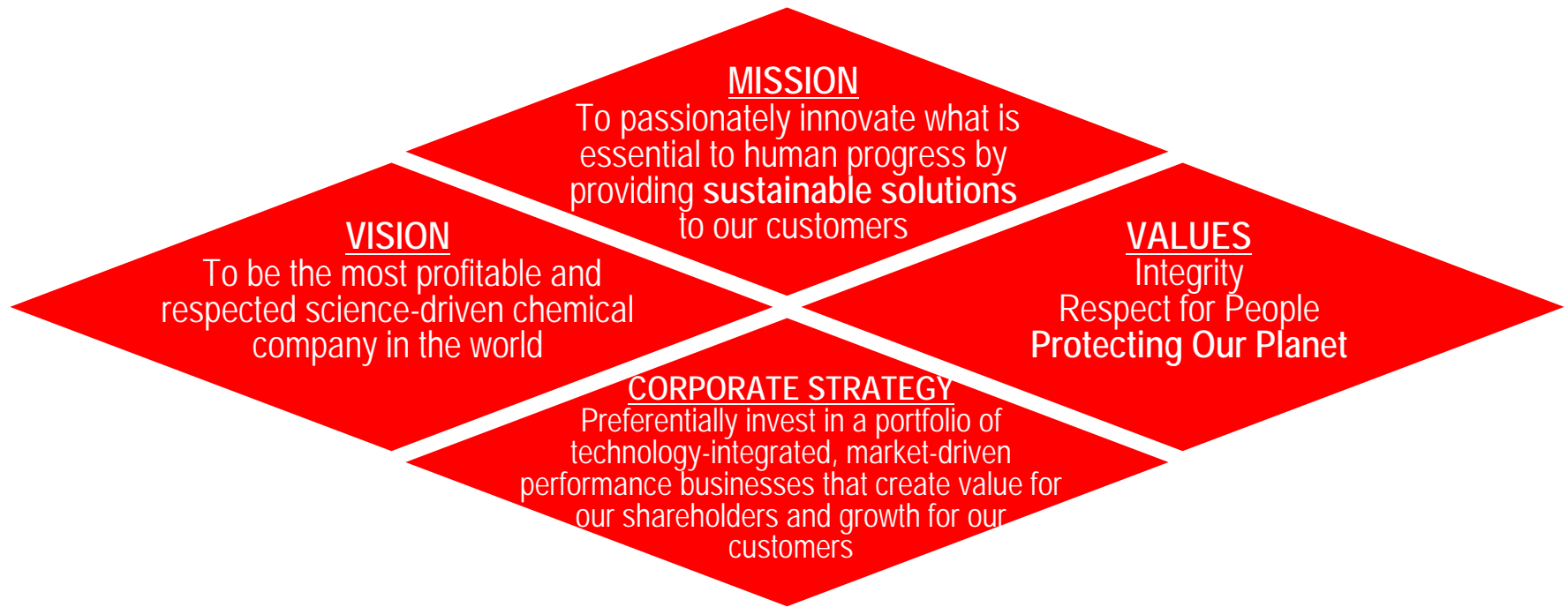
Coatings



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**



SPONSORED RESEARCH

Long-term Relationships
University & Government Partnerships
Licensing

Seconded Researchers & Faculty
Publications
IP Agreements



Sponsored Research

Cal Tech Solar Research Platform



Sponsored Research

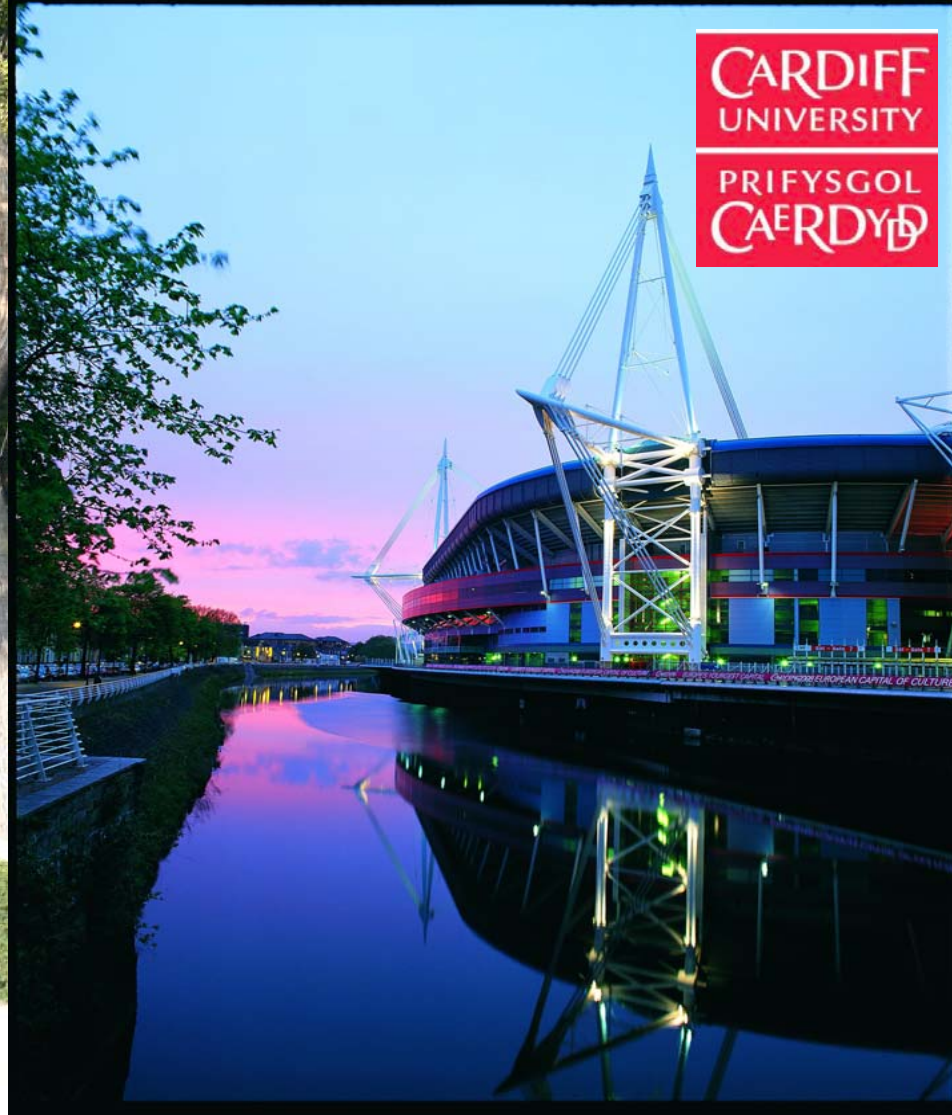
KAUST Industrial Collaboration Partnership



NORTHWESTERN
UNIVERSITY



CARDIFF
UNIVERSITY
PRIFYSGOL
CAERDYDD



Sponsored Research

Dow Methane Challenge Grant



Sponsored Research

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

A wide-angle photograph of a large, modern lecture hall. The room is filled with rows of red upholstered seats arranged in a tiered fashion. A central staircase with blue carpeting and white railings leads up through the middle of the seating area. The ceiling is high and features a grid of recessed lighting. The walls are dark, and there are some illuminated panels or screens visible in the background.

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



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

Tufts University – Beyond Benign
University of Michigan – Erb Institute

Fellowships

University of Michigan – China



Tufts
UNIVERSITY



**UNIVERSITY OF
CAMBRIDGE**

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



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