

# Sustainability at 3M



Inventing  
Tomorrow  
Sustaining Our Future



# 3M Company Profile

- Founded in 1902
- Headquarters: St. Paul, MN, USA
- 2011 Information
  - *Sales: \$30 billion*
  - *R&D and Related Expenditures: \$1.57 billion*
  - *Employees: 84,000*
- 3M is one of 30 companies in the Dow Jones Industrial Average



# Six Market Leading Businesses

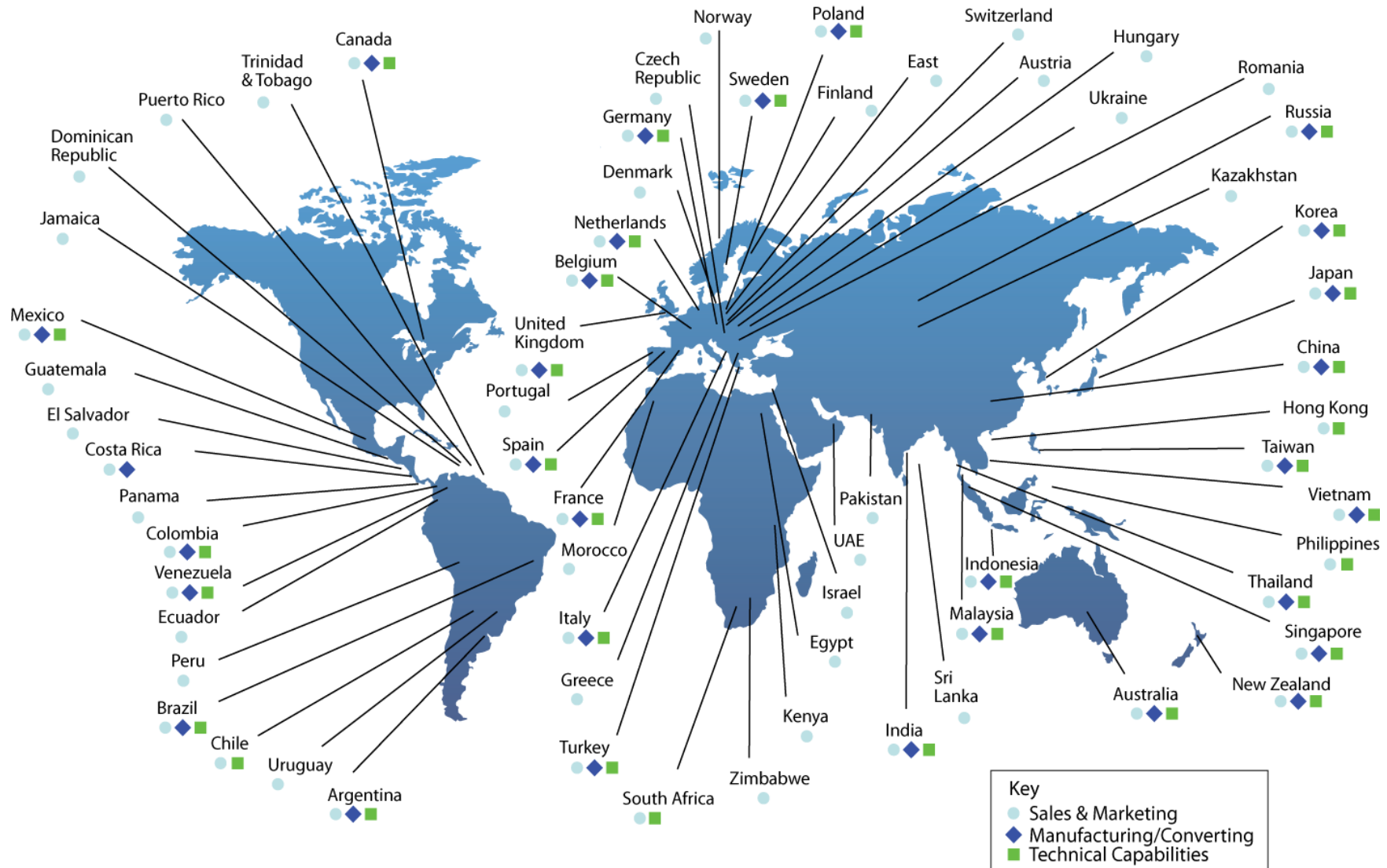


*Providing more than 60,000  
different products*





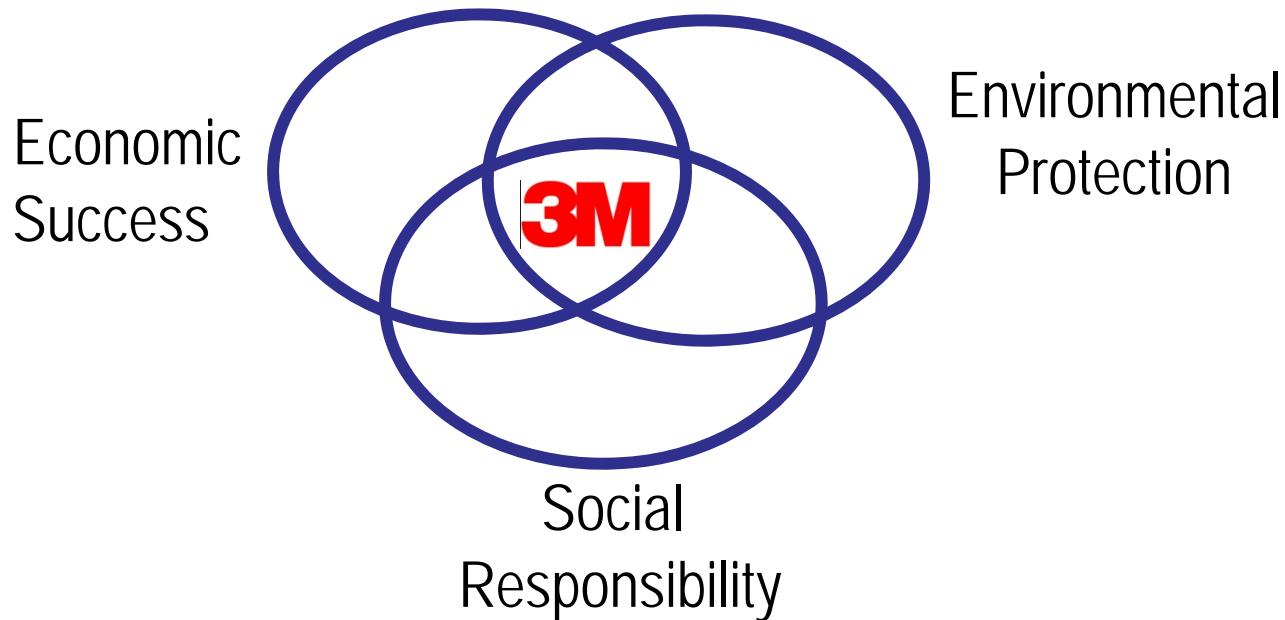
# 3M is a Global Company



*Sustainability Is a Global Objective*



# What is "Sustainability"?



*"Meeting the Needs of Society Today, While Respecting the Ability of Future Generations to Meet Their Needs"*



# 3M's Corporate Values

- Act with uncompromising honesty and integrity in everything we do
- Satisfy our customers with innovative technology and superior quality, value and service
- Provide our investors an attractive return through sustainable, global growth
- Respect our social and physical environment around the world
- Value and develop our employees' diverse talents, initiative and leadership
- Earn the admiration of all those associated with 3M worldwide



## Our Vision

3M Technology Advancing Every Company

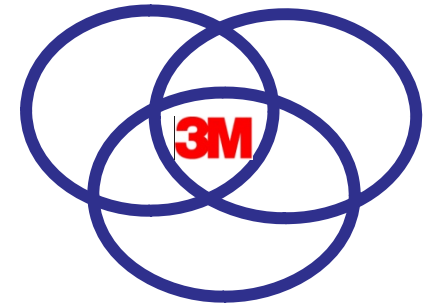
3M Products Enhancing Every Home

3M Innovation Improving Every Life



# 3M Strategic Sustainability Principles

- **Environmental Protection:** Provide practical and effective solutions and products to address environmental challenges for ourselves and our customers.
- **Social Responsibility:** Engage key stakeholders in dialogue and take action to improve 3M's sustainability performance.
- **Economic Success:** Build lasting customer relationships by developing differentiated, practical and ingenious solutions to their sustainability challenges





# Sustainability is Part of Our DNA

- 3M's Core Values
- Strong, Historic Leadership Support
- Corporate Culture
  - Innovation Encouraged & Initiative Rewarded
  - Every Employee is Responsible for Sustainability
  - Information Sharing & Collaboration
- Long History of Commitment



# A Long-term Commitment



1930s



1970



1990



Today

- Pension Plans & Disability Coverage
- 3M Foundation
- 3M Safety & Environmental Management
- 3P: Pollution Prevention Pays
- Environmental Targets
- Life Cycle Management
- Environmental Solutions



# Dr. Joe Ling; The Father of Pollution Prevention



*“Pollution is ... unused raw material. By reducing the amount of pollution, ... [3M can] save money both on pollution control and on raw materials the next time around. It's a win-win situation.”*

***Dr. Ling launched 3M's Pollution Prevention Pays program in 1975***



# Pollution Prevention Pays (3P)

## *3M's History and Future*



- 3M's 3P program served as the foundation for governmental environmental policies/programs across the globe
- Environmental benefits can occur within 3M or for our customers & suppliers.
- Today 3P is a fundamental 3M philosophy

### **3M's 3P Results** *(aggregate first year savings)*

- Over 3.5 billion pounds of pollution prevented
- Over \$1.5 Billion saved

# 3P at Work: *Red Dot Resting Electrode Waste Reduction Project*

- A 3P project team from 3M's Valley, Nebraska facility reduced the inherent waste by redesigning the electrode size.
- The Team:
  - Re-configured the electrodes on the card
  - Reduced silver and adhesive coating weight
  - Reduced the overall size of the electrode
- The Results:
  - First Year Savings = \$917,763
  - First Year Pollution Prevented = 11.8 tons of waste



*RDR Electrodes are adhesive electrodes used in electrocardiogram (EKG) applications*

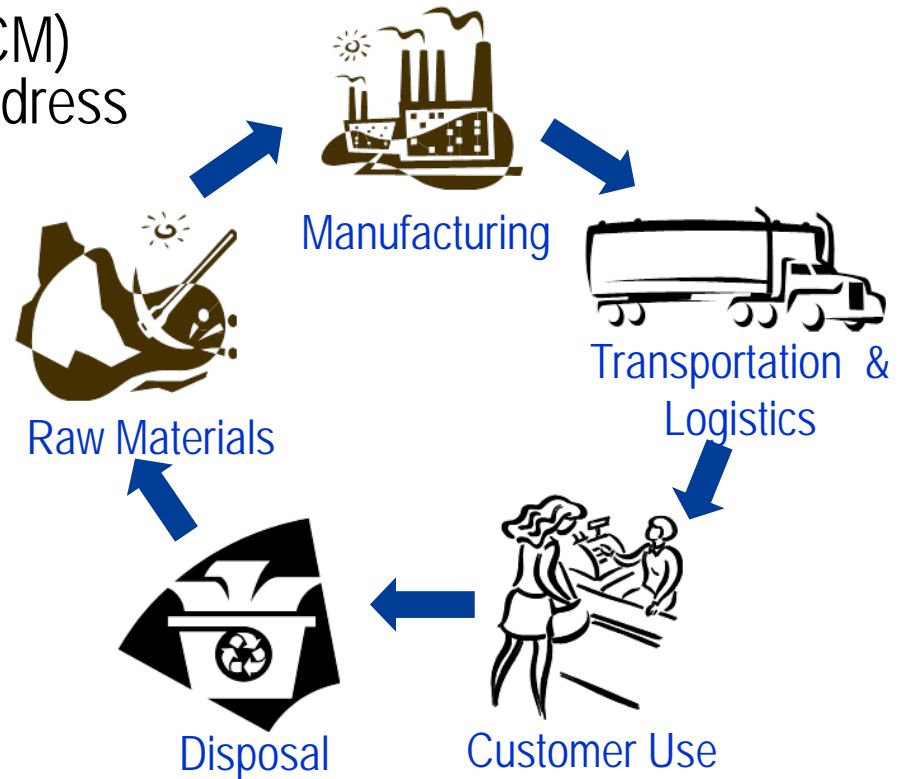




# Product Life Cycle Management

## *3M's Pathway to Product Sustainability*

- 3M's Life Cycle Management (LCM) process ensures our products address environmental, health and safety opportunities and risks throughout their life cycle
- LCM is a component of 3M's formal New Product Introduction Process



# Life Cycle Management at Work

## *Novec™ 1230 Fire Protection Fluid*

- Next-generation halon alternative
- Superior performance in extinguishing efficiency, safety, and global warming impact
  - *Zero ozone depletion potential*
  - *5-day atmospheric lifetime*
  - *A global warming potential of 1 (compared to alternative with GWPs of 1300-12,000)*



*3M™ Novec™ 1230 has prevented more lbs of CO<sub>2</sub> equivalent emissions than 3M emitted in 2007*



# 2015 Sustainability Goals

- Environmental Stewardship
  - *Reduce Volatile Air Emissions*
  - *Reduce Waste*
  - *Conserve Energy*
  - *Reduce Greenhouse Gas Emissions*
  - *Water Conservation Management*
- Social Responsibility
  - *Engage Our Communities*
  - *Promote a Road to EHS Excellence at New 3M Sites*
- Economic Success
  - *Further Enhance Sustainability Attributes of New Products*
  - *Review Progress on Standard for Suppliers*

# Addressing our Environmental Footprint

	Progress to Date	Current Goal
Waste	<b>68% reduction</b> in waste indexed to net sales (1990-2011)	Reduce Waste <i>indexed to net sales</i> <b>10%</b> (2010-2015)
Greenhouse Gas Emissions	<b>72% reduction</b> in absolute greenhouse gas emissions (1990-2010)	Reduce Greenhouse Gas Emissions <i>indexed to net sales</i> <b>5%</b> (2006-2011)
Energy Use	<b>59% improvement</b> in energy efficiency (2000-2011)	Improve Energy Efficiency <b>25%</b> (2005-2015)
Volatile Air Emissions	<b>98% reduction</b> in volatile organic air emissions indexed to net sales (1990-2011)	Reduce Volatile Air Emissions <i>indexed to net sales</i> <b>15%</b> (2010-2015)
Water	<b>40% reduction</b> in water use indexed to net sales (2005-2011)	Develop Water Conservation Plans <i>for 3M sites Located in Areas With Scarce or Stressed Water Resources</i>



# Environmental Solutions for Our Customers

[www.3M.com/EnvSolutions](http://www.3M.com/EnvSolutions)

- 3M has hundreds of solutions to help customers
  - Reduce energy, air pollution, and waste;
  - Use more renewable resources;
  - Achieve green building certification;
  - Protect employee health & safety;
  - And more!



3M™ High Efficiency  
Filtrete™ Filter



3M™ Adhesives



3M™ Window Film



Post-it® 100% Recycled  
Notes in Cabinet Pack



33M™ PPS™ Paint  
Preparation System™



3M™ Mirror Film



Nomad™ Matting





# Fostering Sustainable Innovation

- Technical Forum– 65 years of Collaboration
- 15% Culture Initiative
- Focus on Employee Sustainability Education /Enrichment
- External Stakeholder Engagement
- Setting Aggressive Goals to Drive Progress: Increase Sales of New Products with Environmental Sustainability Attributes



# Addressing Our Suppliers

- 3M's Sourcing Policy that sets standards for its suppliers
  - *Environmental*
  - *Health and Safety*
  - *Transportation*
  - *Labor and Human Resources*
- Applies to the selection and retention of all suppliers worldwide
- Integrates assessment tools to assess key suppliers
- Our Goal: Review at least 80% of Supplier Spend in the following countries: China, India, Korea, Malaysia, Taiwan, Thailand, Brazil, Mexico, Russia, and Turkey *by 2015*
  - *2011 Results: 74% Reviewed*



# Corporate Social Responsibility

- Providing a safe and healthy work place
- Supporting continuous learning and knowledge sharing
- Ensuring ethical operations
- Partnering with governments, non-governmental organizations, communities to achieve sustainability
- Supporting communities where we operate



# Investing in Our Communities

- Community Giving is decentralized with 3M subsidiaries in each country administering a program that reflects the local culture and needs
  - **More than \$65 million in products and cash** donated across the globe.
- Example: the United States
  - Giving around education, health & human services, environment, and arts & culture
- Example: Brazil
  - Nearly \$500,000 to Social Innovation Institute
  - Driving social development in Brazil



# Recent Recognition as a Sustainability Leader

- 2005-2012 Energy Star Sustained Excellence Award for Eight consecutive years



- Interbrand ranked 3M's as #2 on its List of 2011 Best Global Green Brands


A screenshot of the Interbrand website showing the "BEST GLOBAL GREEN BRANDS 2011 RANKING". The table lists the top 10 brands. 3M is ranked #2, highlighted with a red arrow. The table includes columns for Ranking, Brand Name, Country of Origin, Sector, and Score.

Ranking	Brand Name	Country of Origin	Sector	Score
1	WATERBURY	Spain	Automotive	94.21
2	3M	United States	Chemical	93.11
3	SIEMENS	Germany	Chemical	92.08
4	Johnson & Johnson	USA	Pharmaceutical	91.01
5	HP	Germany	Electronics	90.08
6	Google	Germany	Automotive	89.01
7	Microsoft	Japan	Automotive	88.01
8	IBM	United States	Electronics	87.01
9	Alcoa	United States	Business Services	86.01
10	Procter & Gamble	Japan	Electronics	85.01

- 3M received one of the first-ever Gigaton Awards in 2010
- 2011 / 2012 Member of the Dow Jones Sustainability Index (Recognized as an index member since its inception in 1999)
- 2009 Business Week's Greener China Business Award







[www.3M.com/Sustainability](http://www.3M.com/Sustainability)