The Continuing Evolution of The University / DuPont Interface

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Agenda

DuPont Snapshot

Business Opportunities with Universities & Government Labs

DuPont Office of Education



DuPont Today 2011



Name: Randolph J. Guschl



DuPont Core Values

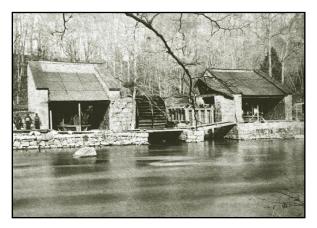
- Safety & Health
- Environmental Stewardship
- Highest Ethical Standards
- Respect for People



"The Goal is Zero"



DuPont in 1802



- 40 employees
- 1 site
- 1 country
- 1 product
- 12 customers
- \$15,116 in sales (1804)

DuPont in 2010



- 58,000 employees
- > 210 sites
- > 70 countries
- Hundreds of thousands of DuPont products and customers
- \$26.1B in sales (2009)



The Vision of DuPont

To be the world's most dynamic science company,

creating sustainable solutions

essential to a better, safer, healthier life for people everywhere.



We are a market-driven science company.



DuPont Mission – Sustainable Growth



 DuPont defines "footprint" as all injuries, illnesses, incidents, waste, emissions, use of water and depletable forms of raw materials and energy.

The creation of shareholder and societal value while we reduce the environmental footprint* along the value chains in which we operate.



The Global Scope of DuPont R&D

Johnston, USA Wilmington, USA

Wuppertal, Germany Meyrin, Switzerland

Hyderabad, Indiat, Shanghai, China

- >8,500 Scientists and Engineers
- \$1.4 Billion R&D Spend
- **Over 75 R&D Centers Worldwide**

Major R&D Center Minor R&D Center

Wilmington, U.S.



1903







Johnston, U.S.



1999

Wuppertal, Germany





1999



Shanghai, China

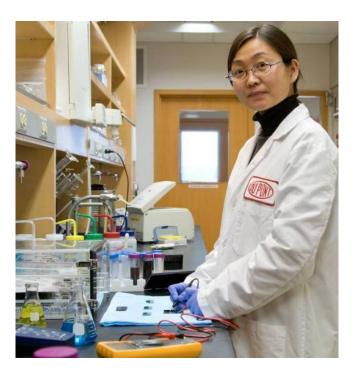
2008

Hyderabad, India



Our Commitment to Innovation

- 2009 revenue from products launched between 2005--2009 is almost \$10 billion.
- 2009 was a record-breaking year for DuPont in innovation:
 - Launched more than 1,400 new products
 - Filed 2,086 U.S. patents
 - Achieved 39% of total revenue from products launched in 2005-2009
- In 2009 we continued to expand our global R&D presence with new labs:
 - Innovation & Technology Center in Paulinia, Brazil
 - Photovoltaic (PV) Center in Shanghai, China
- 2010 Additions Continue:
 - New PV lab in Meyrin, Switzerland





DuPont 2009 Sales by Segment -- \$26.1B*

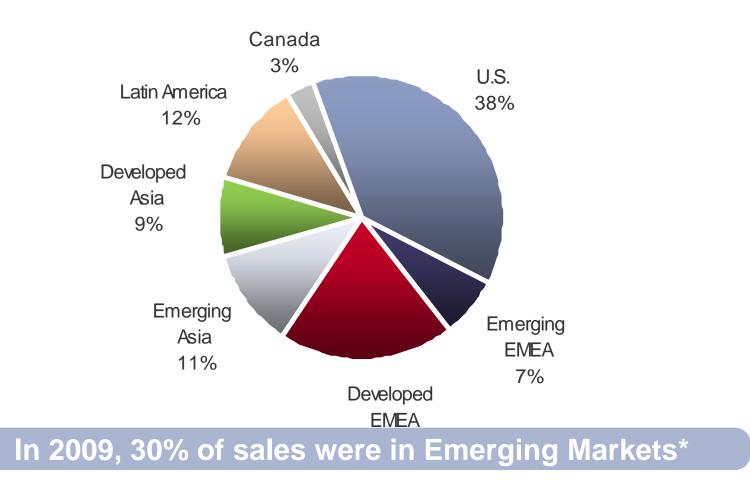


* Includes \$.1B in "other" sales including Applied BioSciences. Total company sales exclude transfers.



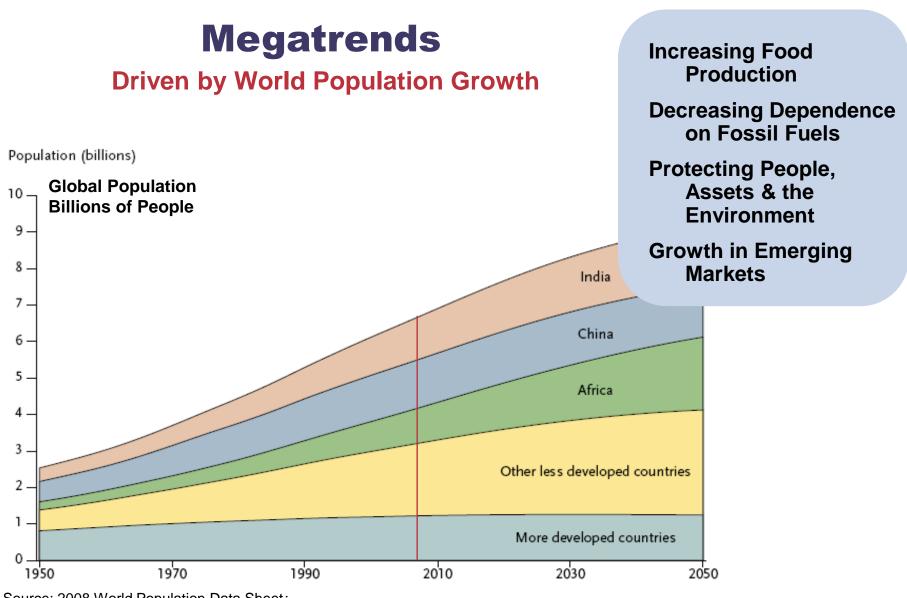
2009 Sales by Geography

\$26.1B 2009 Company Sales



*Refer to the company's website for a definition of 'emerging markets.'





Source: 2008 World Population Data Sheet: www.prb.org.



12

Aligning Strategies with Megatrends

The Needs of the World Drive our Science

Megatrends...

Increasing Food Production

Decreasing Dependence on Fossil Fuels

Protecting People, Assets & the Environment

Growth in Emerging Markets

Market Opportunities...

More food Better food

Alternative energy solutions Energy efficiency Renewably-sourced materials

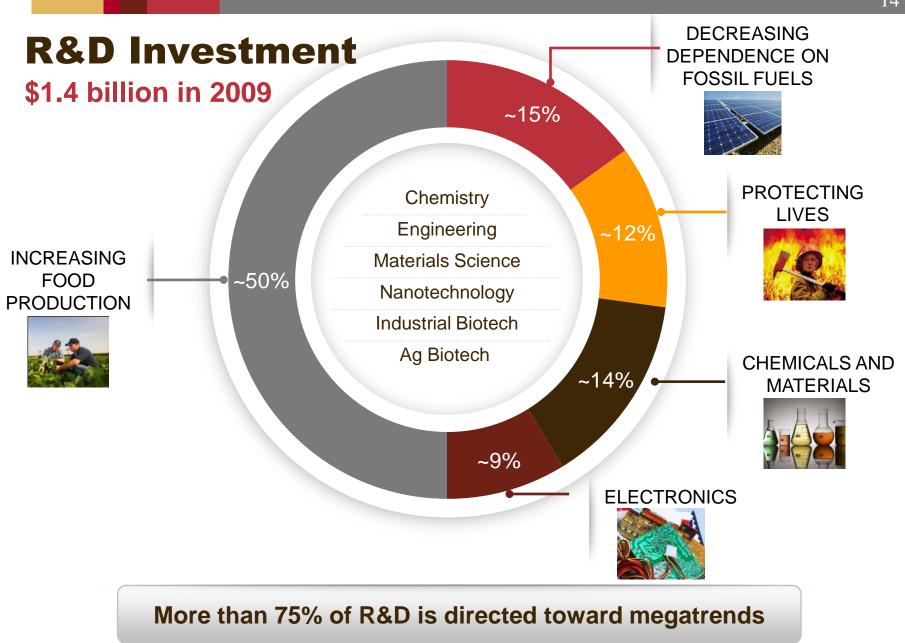
Workplace safety Personal protection Environmental sustainabilit

Infrastructure Energy Materials applications customized • for local markets

Strategies...

- Grow production agriculture
- Photovoltaics & Biofuels
- Lightweighting vehicles
- Accelerate conversion to bio-based raw materials
- Accelerate innovation pipeline
- Strategic acquisitions
- Geographic expansion
- Increase local application development
- Drive further penetration





14

QUPOND

DuPont: A Market-Driven Science Company

... what we deliver

- Differentiated Inventions
- Robust Product Pipelines
- Sustainable Solutions
- End-User Value





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Some Focus Areas for Open Innovation with DuPont

- Advanced Materials
- Agriculture
- Clean Technologies
- Construction
- Health Care
- Electronic Materials
- Safety Technologies



Some Focus Areas for Open Innovations with DuPont

Advanced Materials

- Authentication
- Color and printing technology
- Ecological waste recovery
- Filtration materials
- Environmental pathogen detection
- Packaging
- Paints and coatings
- Refrigerants
- Sustainable/green building materials

Agriculture

- Enhanced nutrition
- Food safety testing
- Seed trait enhancement
- Gene transformation



Some Focus Areas for Open Innovations with DuPont (Con't.)

Clean Tech

- Biofuels
- Biomass
- Solar/Photovoltaic
- Sustainable/Green building materials
- Energy storage
- Air Pollution Control System

Construction

- Acoustic insulation products
- Exterior wall products and systems
- Interior wall and countertop products and systems
- Sustainable/Green building materials
- Thermal management and insulation products

Health Care

- Biomedical materials
- Filtration materials
- · Personal safety materials



Some Focus Areas for Open Innovations with DuPont (Con't.)

Electronic Materials

- Display materials
- IC fabrication materials
- Interconnect materials
- Printable electronics

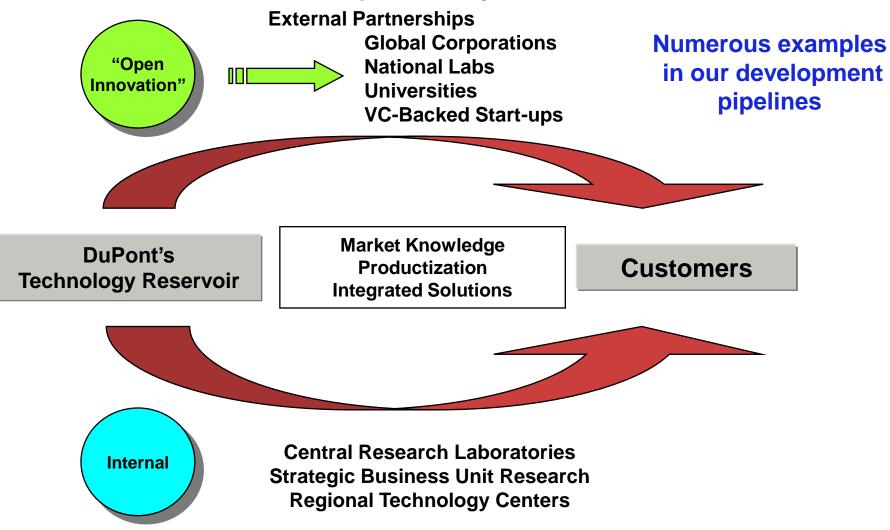
Safety Technology

- Chemical/Biological agent detection
- Chemical/Biological agent protection (apparel)
- Fire prevention/protection
- Fire resistant materials and textiles
- Food safety technology
- Packaging security and authentication
- Protective apparel



Technology Partnerships

Faster Product Development Cycles





Nurturing and Supporting External Partnerships

Center for Collaborative Research and Education:

Mission: To sustain the growth of DuPont as a Science Company by nurturing global collaborative research and science education.

DuPont Ventures:

Mission: Support Open Innovation through equity investments and strategic relationships with entrepreneurial companies



Modes of Interaction with Universities

Support for Science Education – DuPont Center for Collaborative Research and Education

- Science and Engineering Grants
- External funding (government, foundation, partners).
- Gifts include cash, large equipment, IP, expertise and support.

Facilitation of Technology Transfer

- Sponsored research
- Consortia memberships
- Licensing via university Technology Licensing Offices
- Licensing from and/or investment in early stage spin-outs
 - ... and when spinouts have attracted venture capital investment....
- Investment in venture backed companies (mid to late stage)



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Want to Know More ?

For information on DuPont products and markets, visit www.dupont.com and scan sections on DuPont Science, Products & Services, and Markets.

If you'd like to collaborate with DuPont, send a one-page, non-confidential note to: Randolph.J.Guschl@usa.dupont.com

