AGENDA

09.00 - 9.30 Welcome coffe

09.30 – 10.00 Introduzione Darton

10.00 - 11.30 Presentazione muRata

11.30 – 11.50 Presentazione 3M

11.50 – 12.10 Presentazione Soluzioni Internal Management

12.10 – 12.45 Presentazione 3M™ Novec™ Electronic Grade Coatings

12.45 – 14.00 Lunch time

14.00 – 15.30 Domane e approfondimenti

15.30 Fine Lavori







A proud history since 1902



A global business



Our Vision

3M Technology Advancing Every Company 3M Products Enhancing Every Home 3M Innovation Improving Every Life

Our principles are the foundation of 3M's performance



Code of Conduct

Ethical business practices



Sustainability

Reducing our own environmental impact Helping our customers to address their environmental challenges



Innovation

More Than A Century of Innovation



Technology

Ability to share and combine elements of 3M's broad technology portfolio to produce unique, differentiated products, translating to premium margins.

Ethical business practices

- Recognised by Ethisphere as one of the World's Most Ethical Companies®
- A published Code of Conduct
- All employees globally make an annual commitment to ethical practice
- Mandatory compliance training

3M's Code of Conduct

Be Good

Obey the law and 3M's Code of Conduct.

Be Honest

Act with uncompromising honesty and integrity.

Be Fair

Play by the rules, whether working with government, customers, or suppliers.

Be Loyal

Protect 3M's interests, assets, and information.

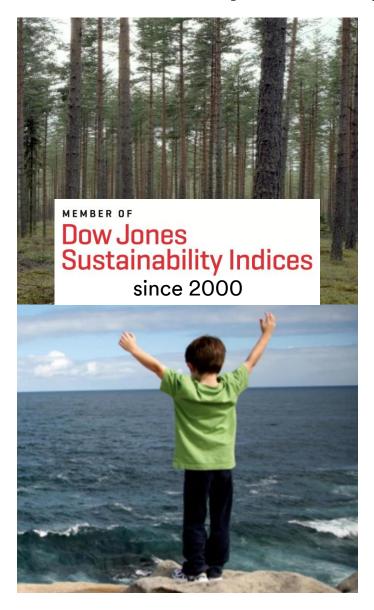
Be Accurate

Keep complete and accurate business records.

Be Respectful

Respect one another and our social and physical environment around the world.

Committed to protecting our planet as we grow our business



Pollution Prevention Pays

42 yearsStarted in 1975

10,000 3P Projects

2.1 millionTons of pollutants prevented

\$2 billionSaved (USD)

2025 Goals

25 percent

Increase renewable energy to 25% of total electricity use

10 percent

Reduce global water use by an additional 10% indexed to sales

50 percent

Ensure GHG emissions at least 50% below 2002 baseline

250 million tons

Help customers reduce GHG's by 250M tons with 3M products



Helping our customers to manage their impact on the environment

- Glass Bubble technology helps to make vehicles lighter and more fuel efficient
- Solar window films reduce heat transmission through glass, reducing the need for air conditioning and heating
- Inert engineered fluids replace polluting alternatives to cool data centres and extinguish fires



"Management that is destructively critical when mistakes are made kills initiative.

And it's essential that we have many people with initiative if we are to continue to grow."

William L. McKnight

CEO from 1949 to 1966



Creative freedom

We understand that ideas need the freedom to grow, which is why we have a culture that works hard to cultivate great thinking. It is found in every corner of our business, from the permission to challenge to encouraging people to explore.





More Than A Century of Innovation











1939



1945





1948





1954

1921

3M patented and introduced Wetordry™ waterproof sandpaper,

Scotch™ masking tape introduced

1925

Scotch™ Cellulose tape introduced

1930

1931 3M began producing Colorquartz™

roofing granules

First traffic sign featuring Scotchlite™ reflective sheeting erected in Minneapolis Scotch™ vinyl electrical tape introduced Scotch ™ magnetic audiotape introduced

1947

3M debuted its first surgical drape

Scotch-Brite™ Non-Woven Web with synthetic fibers, resin and abrasive grains

1952

RCA used Scotch™ magnetic tape to record TV programs for the first



the world's first water-

resistant coated abrasive



1967

3M developed the



1969





1980



1980





1991





1960

Scotch™ Magic transparent tape introduced

first disposable facemasks and respiratory protection products

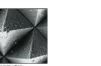




2000







Thinsulate™ thermal insulation introduced

1979





3M VHB tape bond, seal and attach metal, plastic and glass assemblies, replacing traditional mechanical fasteners and such as screws, rivets and



2010

Academy of Motion **Picture Arts and Sciences** gave 3M a Scientific **Engineering Award for** magnetic film, improving audio capabilities of movie sound tracks

1985



2012

3M introduced Scotchshield™ window film, shatter-resistant, heat-and cold resistant window protection



3M introduced the first metered dose asthma inhaler, free of ozone depleting

chlorofluorocarbons.

1995

3M introduced the first flexible circuits for electronic products and HFEs (hydrofluoroethers). replacing ozone depleting chlorofluorocarbons

1996



2000

3M PPS™ Paint Preparation System has revolutionized the process by which painters mix and filter sprayable coatings

3M display films help optimize the performance of displays brightness and color, simplify the design, increase power efficiency, reduce thickness and weight for mobile devices

3M developed Trizact™ Abrasives. Featuring a micro-engineered surface of d structures. Trizact delivers more consistent finishes. higher cut rates, and cooler grinding and finishing temperatures than conventional abrasives.

2001

3M developed Aluminum Conductor Composite Reinforced (ACCR) as a solution to thermally constrained transmission bottlenecks

2005

3M™ Littmann® Electronic Stethoscope Model 3200 with **Ambient Noise Reduction and** frictional noise dampening features with amplification. Bluetooth® technology, and an all-new user interface, for the next level of performance and ease of use.

2009

3M™ Cubitron™ II using precision shaped abrasive granules creating the future of the abrasives industry

3M introduced the True Definition Scanner for Digital Dentistry

3M developed a Sensored Termination to enable power grid monitoring in real-time

2013

3M opened a state-of-the-art, \$150million research and development laboratory on its Minnesota campus in St. Paul

2016



3M at a glance



More than 55,000 products



Approximately six per cent of our revenue is reinvested into research and development around the world

We have 105,000+ registered patents



One third of our sales come from products developed within the past five years

8.5Bn

invested into R&D

Over the past five years

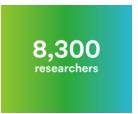
we have invested \$8.5

billion in research and

development



90,000 employees worldwide



8.300 researchers worldwide



85 research and development facilities spanning 36 countries



Operations in 70 countries and sales into 200



You are likely to come across 3M Science more than 100 times every day



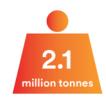
54 Customer Innovation Centres around the world



Our scientists amass patents at an average of more than 3,000 per year



200 manufacturing facilities across 38 countries



More than 2.1 million tonnes of pollutants eliminated since 1975



You are rarely more than three metres away from 3M Science



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Improving life in a multitude of ways





Medical tape that removes easily without damaging

delicate skin

Filters that make water cleaner and safer to drink



Microscopic glass bubbles that make aeroplanes and cars lighter and more fuel efficient



Auto darkening filters that protect welders' eyesight



Adhesive strips that make it possible to hang pictures without damaging walls



Connectors that help to deliver broadband speed and stability

Brightness enhancing film that

reduces power consumption

the life of batteries

in mobile phones and extends



Electronic stethoscopes that enable a doctor to assess a patient's heartbeat remotely



Reflective sheeting that makes road signs brighter and keeps drivers safe



Acoustic insulation in your car that gives you a quieter driving experience







46 technology platforms





Co

Advanced Composites

Do





























Rp

Radiation Processing





An

Analytical





Fc

Flexible Converting & Packaging





Pr

Process Design & Control

Se

Sensors















Bi

Biotech

Dd

Display



Filtration, Separation, Purification

lm

Imaging









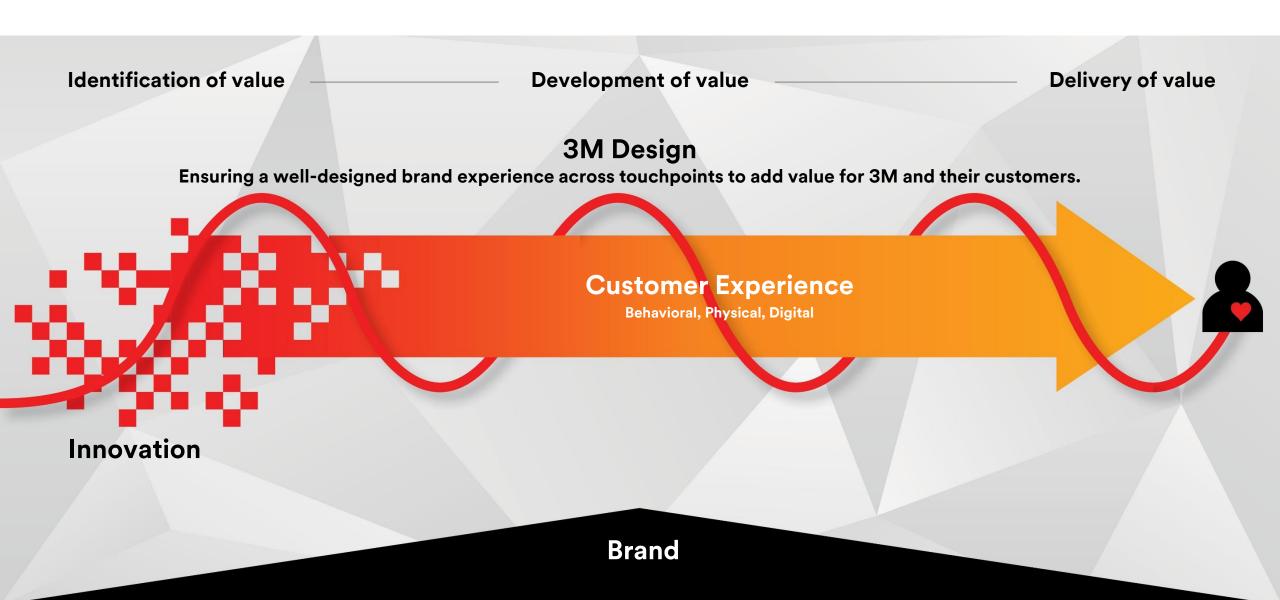




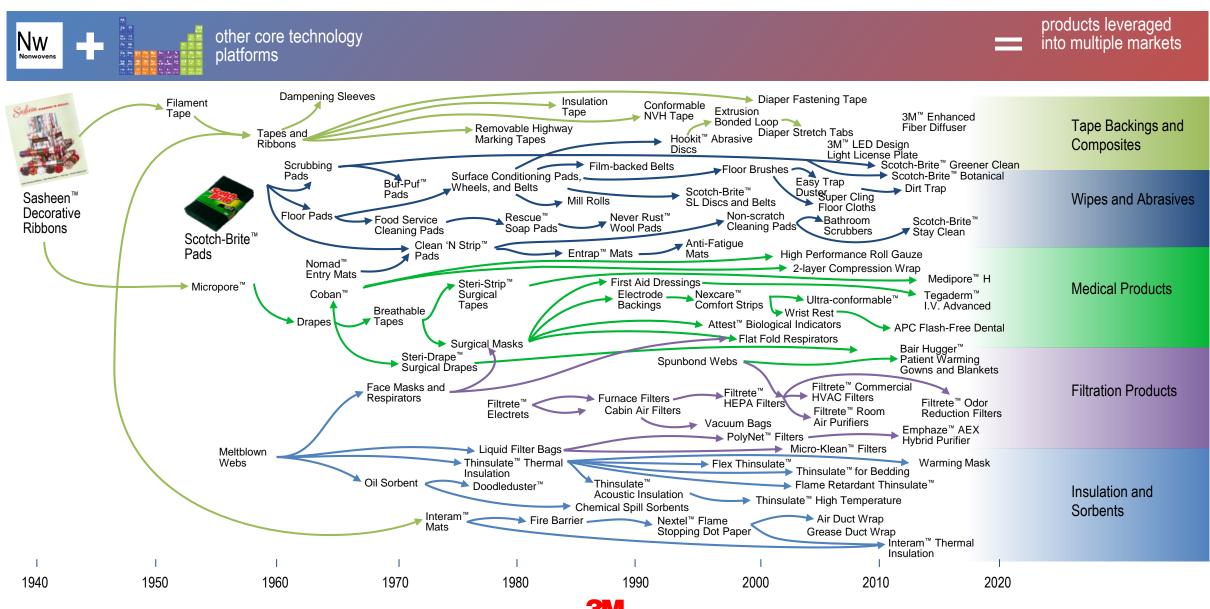


Value through Design

Design across high priority company initiatives



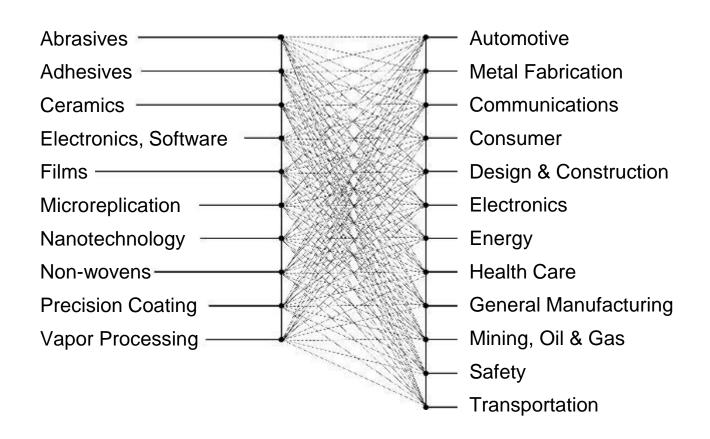
Nonwoven Technology Platform Migration



... from Technology Platforms to markets

Technology Platforms

Markets



Our markets and industries



Transportation



Safety



Consumer



Mining, oil and gas



Electronics



Manufacturing



Automotive



Commercial solutions



Energy



Healthcare



Communications



Design and construction



3M Italy



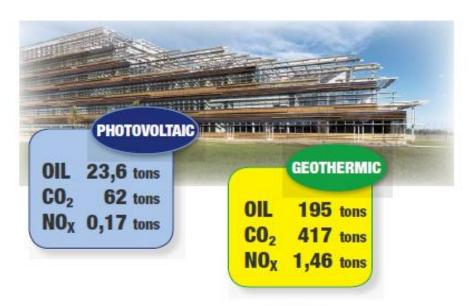
Marcallo

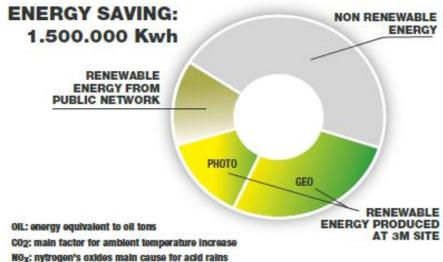
Grassobbio

3M HQ Malaspina



Yearly Energy and Emissions Saving





23

3M Customer Innovation Center, Malaspina

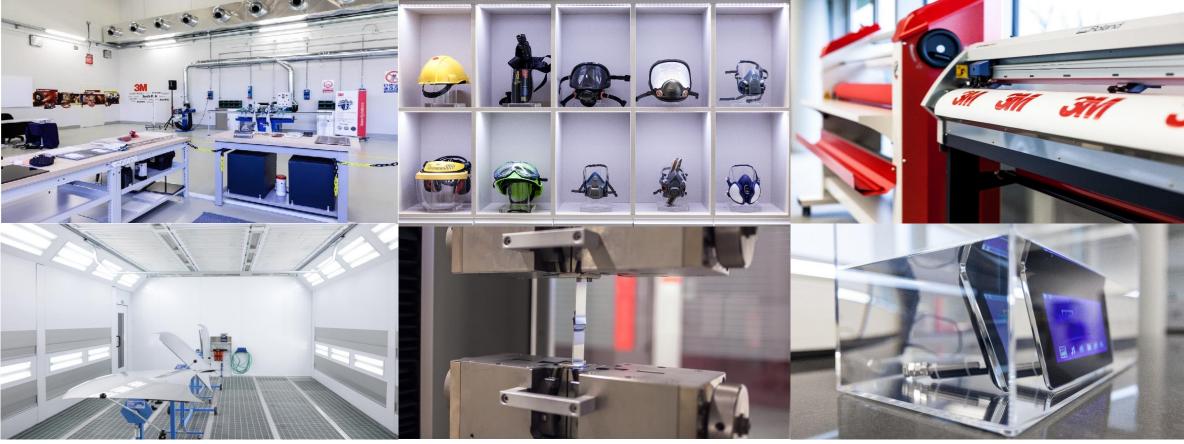


3M Technical Centers

Tecnologie Abrasive - Carpiano

Sicurezza

Decorazione



Tecnologie Autocarrozzeria – Carpiano

Tecnologie Adesive

Smart Grid



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Introduction to our business groups



Health Care



Safety & Graphics



Consumer



Industrial



Electronics & Energy

Health Care

From preventing infections to making smiles brighter





Safety and Graphics

From protecting people and information to enhancing brands





Consumer

Making life easier and more productive at home and at work











Industrial

From purification to aerospace: changing how industry works









Electronics and Energy

Enabling tomorrow's lifestyle today by contributing to power, communications and electronics











Electronics and Energy



Enabling tomorrow's lifestyle today by contributing to power, communications and electronics

Electronics Materials Solutions

Semiconductors Solutions

Intersect key customer roadmaps with 3M technologies, new products, systems and solutions to enable their semiconductor processes, electronic signal management and consumer electronics devices



Materials for Semiconductor & LED Processing, Packaging & Transport



Tapes, Adhesives & Flex for Device Assembly



Novec™ Fluids for sustainable fire protection, cleaning, cooling, coating, insulation ...& battery materials





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