

3M at a glance



- Sales in ~200 countries
- \$32 billion in sales
- Five business groups
- 90,000 3Mers globally
- 115,000 patents
- One of 30 companies on the Dow Jones Industrial Index
- 101 straight years of dividends

Global capabilities

Sales in 200 countries

Operations in 70 countries



Labs in 36 countries

Plants in 37 countries

- Sales & Marketing
- Manufacturing/Converting
- Technical Capabilities

We bring solutions to markets through our business groups

31



Health Care

\$5.9B



Safety & Graphics

\$6.2B



Industrial

\$11.9B



Electronics & Energy

\$5.5B



Consumer

\$4.7B

Safety & Graphics



From protecting people and improving road safety and mobility to enhancing visual and design communication













Industrial



From purification to aerospace, we change how industry works



Electronics & Energy



Advancing a connected world











Consumer



Making life easier and more productive at home and work









3M's fundamental strengths



Technology

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



Manufacturing

Utilization of 3M manufacturing footprint and technology, including process trade secrets, leading to higher-performing products and lower unit costs



Global capabilities

Subsidiary front- and backoffice footprint that allows for the effective development, adaptation and commercialization of products



Brand

Brand equity in the 3M brand and in strategic brands that are shared across business groups



115 years of 3M (Minnesota Mining & Manufacturing) ..from a mining hiccup to a technological marvel.....

































































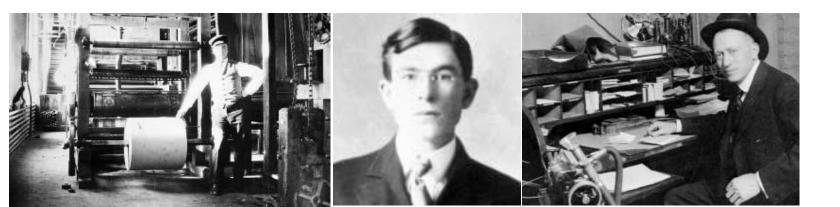








Changed the market from dry sanding to wet sanding with invention of waterproof sandpaper





Invention of masking tape.

Made two tone painting possible

Masking tape is widely used commodity now











Created the market for reflective road signs.

Making roads & people safer with reflective materials

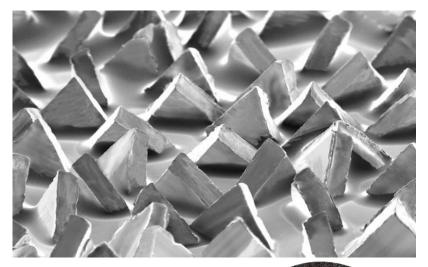
© 3M 2019. All Rights Reserved.



Using a "weak" adhesive on bookmarks for improving productivity at office & home

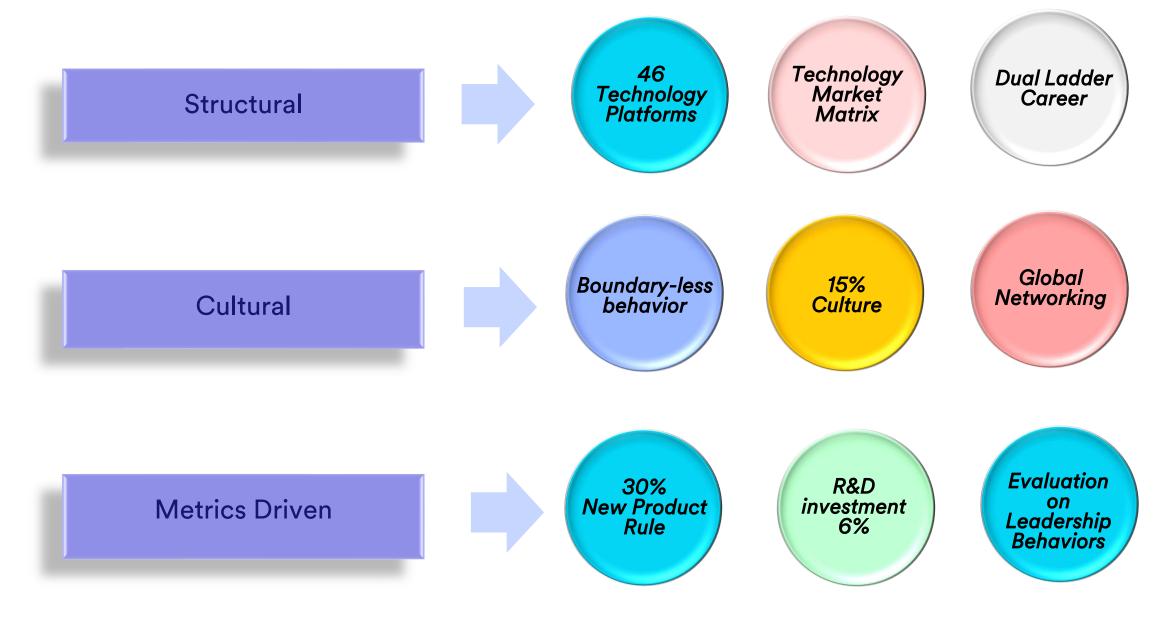


Precision-shaped grain abrasives

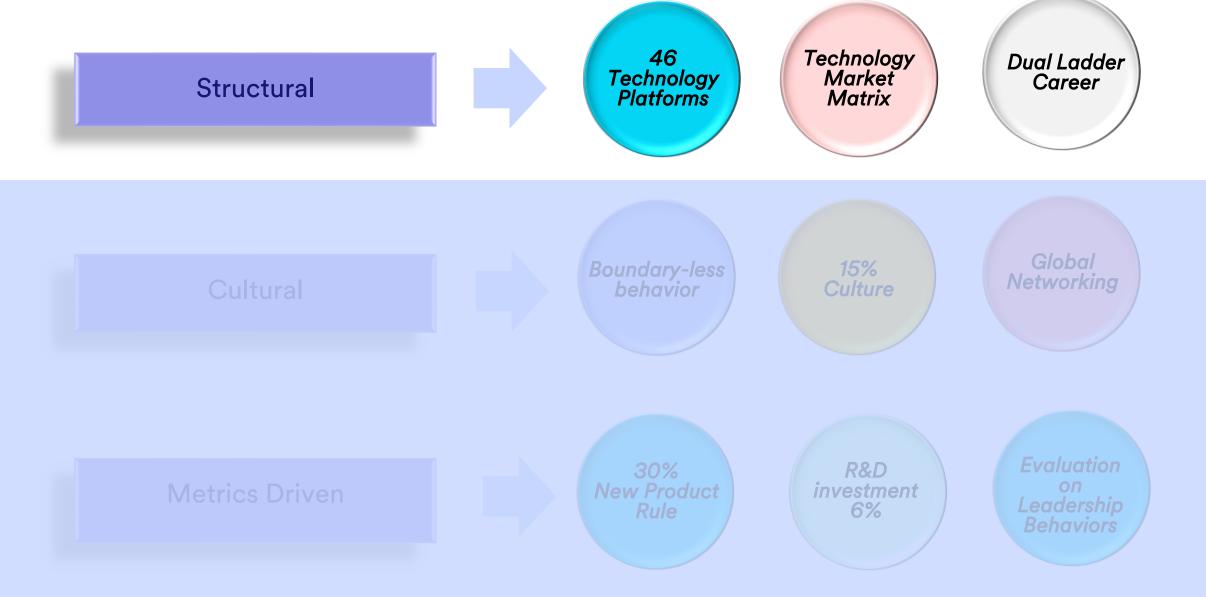




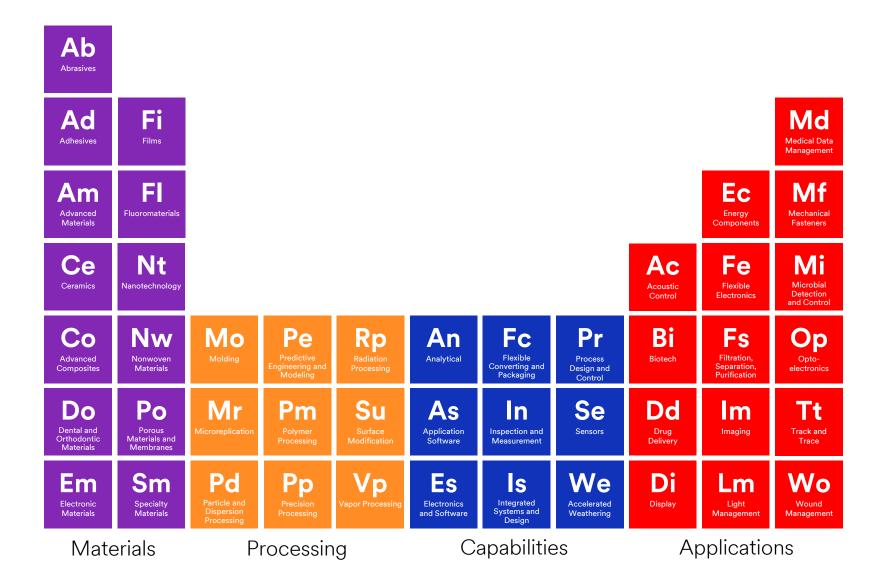
Elements of Innovation at 3M



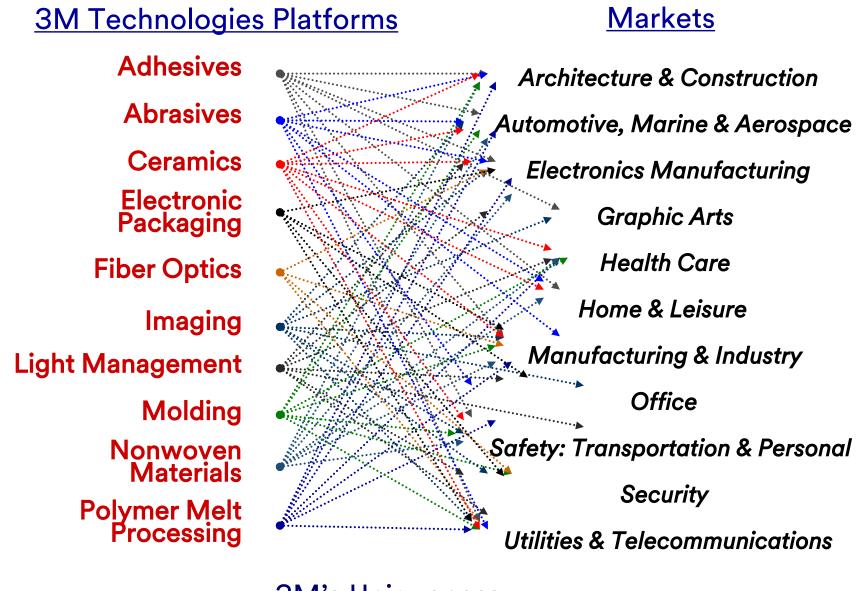
Elements of Innovation at 3M



46 Technology Platforms

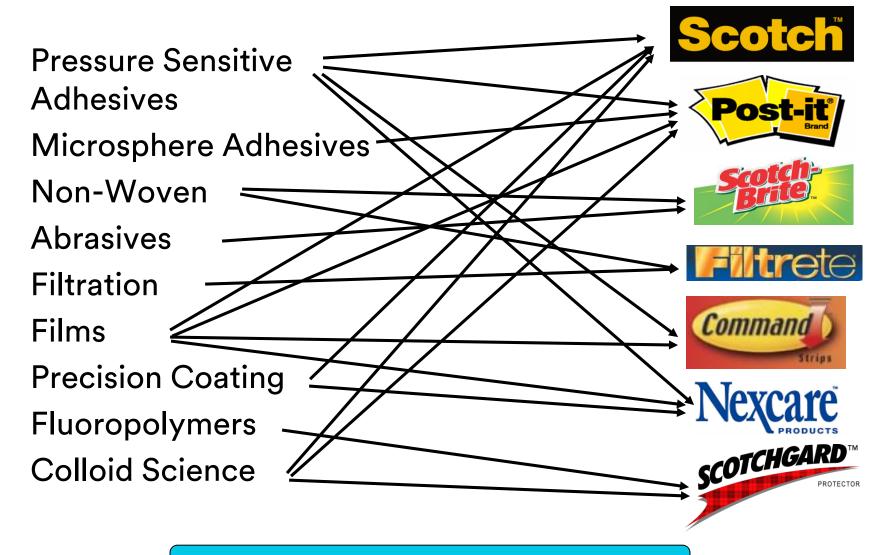


Technology Platforms...Multiple Markets



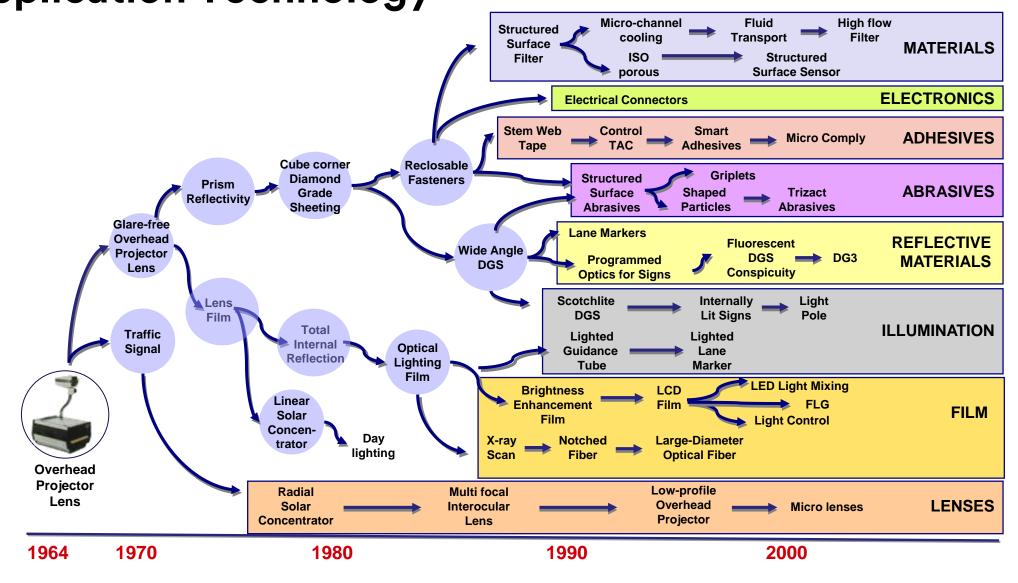
3M's Uniqueness

Transforming Technology into Consumer Brands

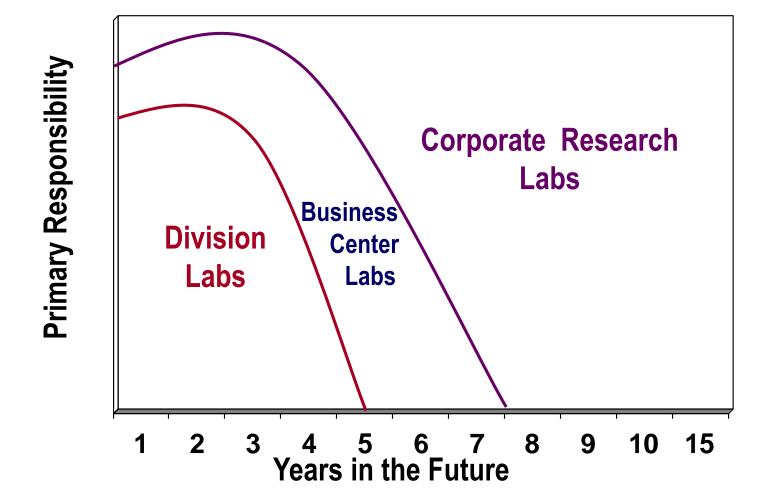


Technology is "Consumerized" into Brands

Product and Technology Migration at 3M - Micro-replication Technology



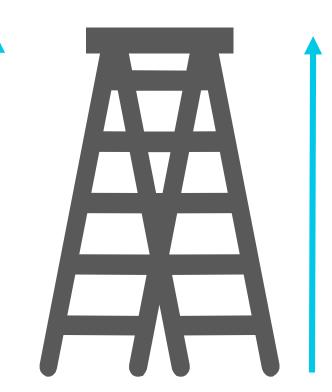
Global R&D Structure



Dual Ladder System

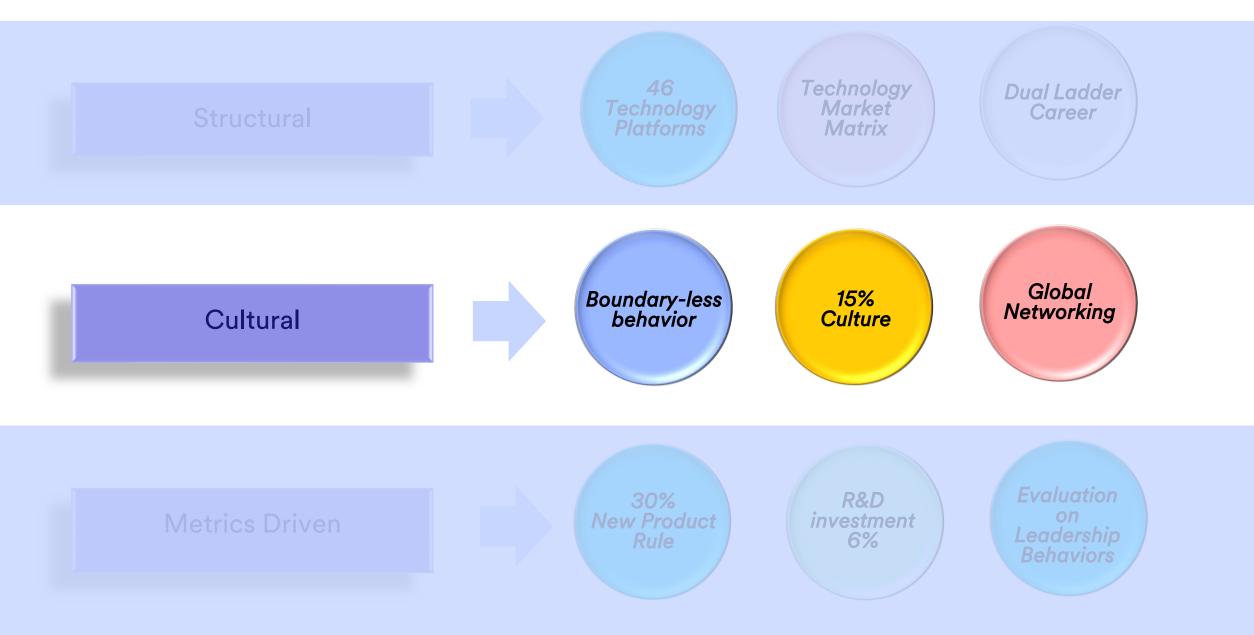
- Variety of Job Opportunities (Sales, R&D, Manufacturing, Supply Chain etc.)
- Variety of Job Locations (Global Exchange of Talent)
- Dual Ladder (Management or Subject Matter Expertise)

Functional (Subject Matter Experts)



Management

Elements of Innovation



McKnight Principles

"As our business grows, it becomes increasingly necessary to delegate responsibility and to encourage men and women to exercise their initiative. This requires considerable tolerance. Those men and women if they are good are going to want to do their jobs in their own way.

Mistakes will be made. But if a person is essentially right, the mistakes he or she makes are not as serious in the long run as the mistakes management will make if it undertakes to tell those in authority exactly how they must do their jobs 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."



McKnight Principles

"If you put fences around peopleyou get sheep.

Give people the room they need...Encourage experimental doodling "



- Individual initiative
- Freedom to do your job in your own way
- Freedom to take risks & fail at times

3M 15% Culture

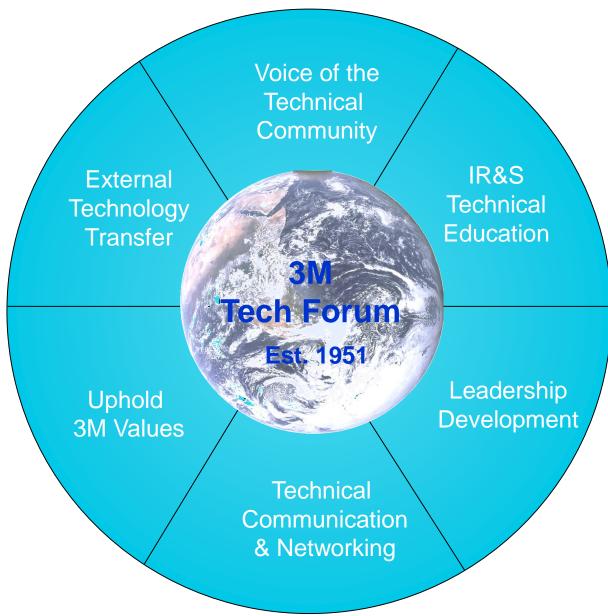
- It is a culture/philosophy not a time sheet measurement
- Enables employees to explore new technologies and/or new markets
- Enables employees to leverage technical specialists
- Does not need management approval
- Teaches employees leadership and new skills
- Diversity in how employees utilize their 15% time

Many innovative 3M products were initially developed with 15 % Time



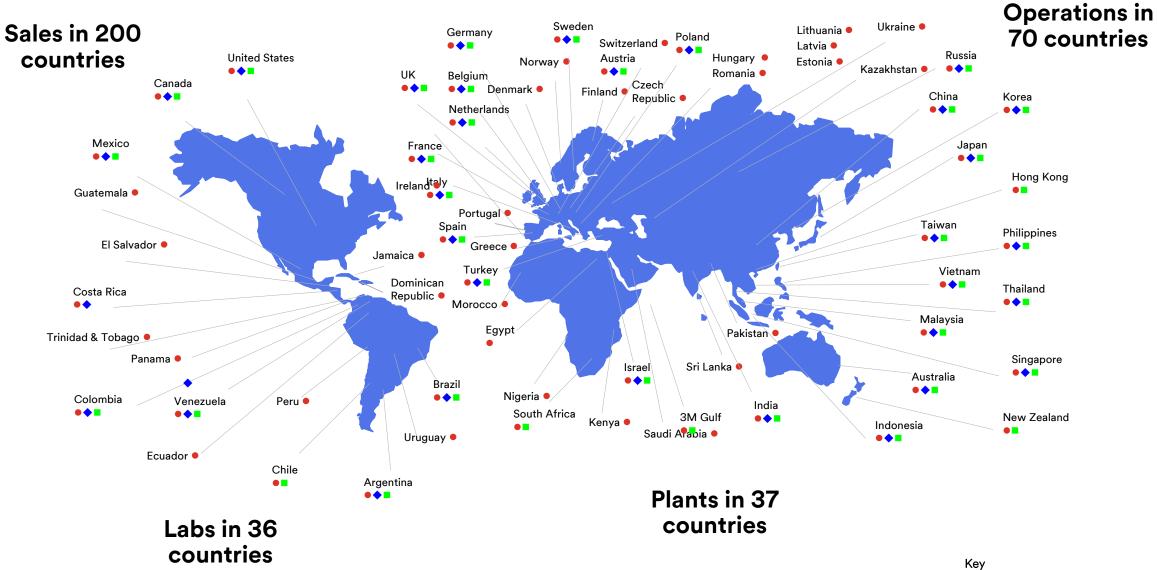
27

3M's Worldwide Technical Community



© 3M 2019. All Rights Reserved.

Global capabilities



- Sales & Marketing
- Manufacturing/Converting
- **Technical Capabilities**

Elements of Innovation



Metrics Driving Behavior

30% of Sales from New Products - NPVi (New Product Vitality Index)

New Products Definition – Products launched in last 4 years

Replacements v/s new

R&D spend at 6% - in good years & bad

Innovation Awards & Grants

- Variety of awards at both global & local levels
- Peer nominated awards CTE&i
- Hall of fame
- Grants to fund 15% projects
- Awards for new business creation







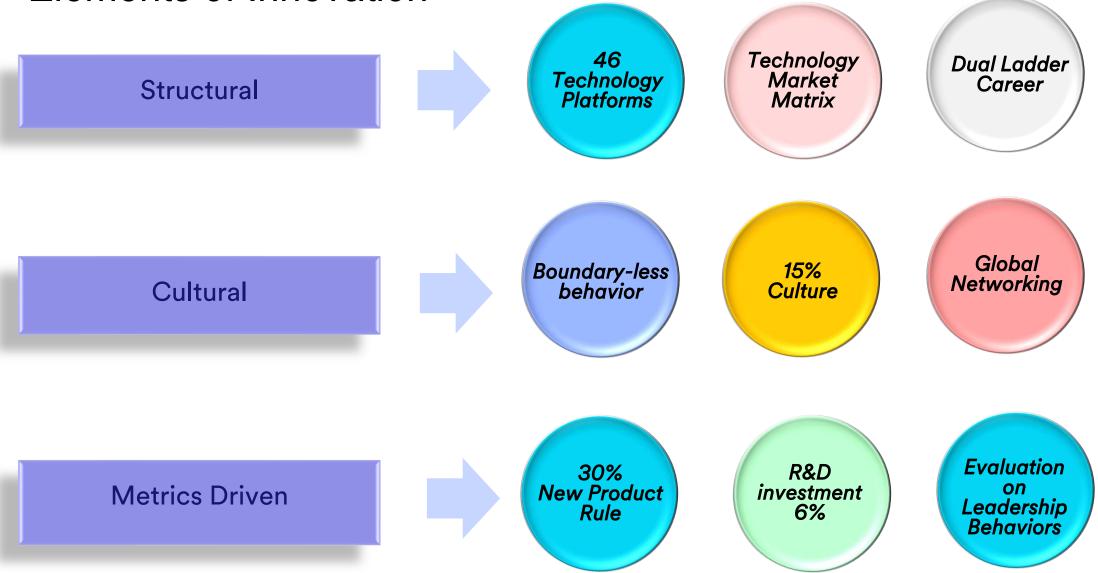
Leadership behaviors

Our behaviors shape our culture, help us execute our strategies and bring our 3M Vision to life.





Elements of Innovation



3M Science Applied to Life





Our Vision

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

Our Strategies

Expand relevance to our customers and our presence in the marketplace
Gain profitable market share and accelerate market penetration everywhere
Invest in innovation: Invigorate existing market opportunities and focus on emerging megatrends
Intensify capabilities to achieve regional self-sufficiency
Build high performing and diverse global talent
Drive consistent superior levels of operational excellence