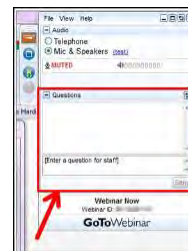




Have Questions?



Type them into questions box!

“Why am I muted?”

Don't worry. Everyone is muted except the presenter and host. Thank you and enjoy the show.

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1



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2

Check out the ACS Webinar Library!

An ACS member exclusive benefit



Hundreds of presentations from the best and brightest minds that chemistry has to offer are available to you on-demand. The Library is divided into 6 different sections to help you more easily find what you are searching.

Professional Development

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Learn how to write better abstracts, deliver more engaging presentations, and network to your next dream job. Brush up on your soft skills and set a new career path by mastering what can not be taught in the lab.

Technology & Innovation

[▶ View the Collection](#)

From renewable fuels to creating the materials for the technology of tomorrow, chemistry plays a pivotal role in advancing our world. Meet the chemists that are building a better world and see how their science is making it happen.

Drug Design and Delivery

[▶ View the Collection](#)

The Drug Design Delivery Series has built a collection of the top minds in the field to explain the mechanics of drug discovery. Discover the latest research, receive an overview on different fields of study, and gain insight on how to possibly overcome your own med chem roadblocks.

Culinary Chemistry

[▶ View the Collection](#)

Why does food taste better when it is grilled or what molecular compounds make a great wine? Discover the delectable science of your favorite food and drink and don't forget to come back for a second helping.

Popular Chemistry

[▶ View the Collection](#)

Feeling burdened by all that molecular weight? Listen to experts expound on the amazing side of current hot science topics. Discover the chemistry of rockets, how viruses have affected human history, or the molecular breakdown of a hangover.

Business & Entrepreneurship

[▶ View the Collection](#)

How do ideas make it from the lab to the real world? Discover the ins and outs of the chemical industry whether you are looking to start a business or desire a priceless industry-wide perspective.

<https://www.acs.org/content/acs/en/acs-webinars/videos.html>

3



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A **collection of the best recordings** from the ACS Webinars Library will occasionally be rebroadcast to highlight the value of the content.

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4

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From ACS Industry Member Programs

◆ Industry Matters Newsletter

ACS Member-only weekly newsletter with exclusive interviews with industry leaders and insights to advance your career.

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Connect, collaborate, and stay informed about the trends leading chemical innovation

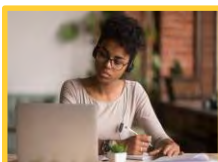
Join: bit.ly/ACSinnovationhub

ACS Career Navigator: Your Home for Career Services



Whether you are just starting your journey, transitioning jobs, or looking to brush up or learn new skills, the **ACS Career Navigator** has the resources to point you in the right direction.

We have a collection of career resources to support you during this global pandemic:



Professional
Education



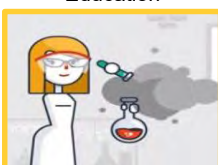
Virtual Career
Consultants



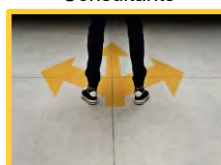
ACS Leadership
Development System



Career Navigator LIVE!



ChemIDP



College to Career



ACS Webinars



Virtual Classrooms

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7

Join us in our efforts to increase the diversity of chemistry.



Valued donors like you have sustained ACS educational programs that are welcoming students from diverse backgrounds into our profession.

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ACS Office of Philanthropy
Chemistry for Life®

8

A Career Planning Tool For Chemical Scientists



ChemIDP is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

<https://chemidp.acs.org>

9

ACS Department of Diversity Programs

Advancing ACS's Core Value of Diversity, Inclusion & Respect



We believe in the strength of diversity in all its forms, because inclusion of and respect for diverse people, experiences, and ideas lead to superior solutions to world challenges and advances chemistry as a global, multidisciplinary science.

Contact Us:

https://app.suggestionox.com/r/DI_R

Diversity@acs.org



acsvoices.podbean.com/



www.acs.org/diversity

10




 ACS
 Chemistry for Life®
 AMERICAN CHEMICAL SOCIETY
 MEETINGS & EVENTS


**2021 ACS
LEADS
CONFERENCE**

NOVEMBER 4-6 • WASHINGTON, DC

Register at:
www.ACS.org/LEADS

Apply by May 31 for the **ACS LEADS Conference**, a 3-day event focused on preparing high-potential early career professionals and students for successful and impactful careers in the chemical enterprise. This event, conceived by ACS Past-President, Luis Echegoyen, will bring together highly esteemed chemists, scientists, professionals, and Nobel Laureates for networking, self-reflection, career exploration, mentoring, and technical discussions.



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ACS
Chemistry for Life®

Nanosafety

Emerging Research Perspectives



Date: Thursday, May 13, 2021 @ 2-3pm ET
Speakers: Tilak Chandra, University of Wisconsin-Madison / Katie Kruszynski, University of Wisconsin-Madison / Markus Schaefele, Northwestern University
Moderator: Ralph Stuart, Keene State College

Register for Free!

What You Will Learn:

- The emerging concerns related to nanoparticle safety, both in the laboratory and in the environment
- How a "what if" method can be used for a hazard assessment to develop a safe operating procedure
- What research about nanoparticles in the environment tells us about potential hazards

Co-produced with: ACS Division of Chemical Health and Safety ACS Committee on Chemical Safety

Scientific Espionage, Open Exchange, and American Competitiveness



Date: Tuesday, May 18, 2021 @ 2-3pm ET
Speaker: Xiaoxing Xi, Temple University
Moderator: Jyllian Kemsley, *Chemical & Engineering News*

Register for Free!

What You Will Learn:

- A personal account of what occurs when the DOJ charges someone for stealing secrets
- Why criminal investigations and prosecutions under the DOJ's "China Initiative" are unjust to Chinese scientists and damaging to American leadership in science and technology
- Why open fundamental research is facing an existential threat and what a federal scientific group recommends to address China influence within the framework of research integrity

Co-produced with: *Chemical & Engineering News*

How to Start a Start-Up



Date: Wednesday, May 19, 2021 @ 6-7 IST (8:30am ET)
Speaker: Amitabha Bandyopadhyay, Indian Institute of Technology Kanpur
Moderator: Deeksha Gupta, American Chemical Society

Register for Free!

What You Will Learn:

- What are the key ingredients of a successful start-up
- How to develop a refined approach to finding a relevant problem to solve
- How to master the art of defining the customer segment in a start-up culture

Co-produced with: ACS International, catering to an audience based in India

www.acs.org/acswebinars



ACS Industry Member Programs

How Industry is Driving Sustainability Through Innovation



FREE Webinar | TODAY at 2pm ET



ACS Webinars
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THIS ACS WEBINAR WILL BEGIN SHORTLY...

13



How Industry is Driving Sustainability through Innovation



PETER ECKES
President Bioscience Research,
BASF



GAYLE SCHUELLER
Chief Sustainability Officer,
3M



BOB MAUGHON
Executive VP of Sustainability, Technology
& Innovation and Chief Technology and
Sustainability Officer, SABIC



REBEKAH PAUL
Program Manager,
American Chemical Society

Presentation slides are available now! The edited recording will be made available as soon as possible.

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14

Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



How important do you think chemistry is for a sustainable future?

- Not at all important
- Slightly important
- Important
- Fairly important
- Very important



** If your answer differs greatly from the choices above tell us in the chat!*

15



How Industry is Driving Sustainability through Innovation



PETER ECKES
President Bioscience Research,
BASF



GAYLE SCHUELLER
Chief Sustainability Officer,
3M



BOB MAUGHON
Executive VP of Sustainability, Technology
& Innovation and Chief Technology and
Sustainability Officer, SABIC



REBEKAH PAUL
Program Manager, Industry Member
Programs, American Chemical Society

Presentation slides are available now! The edited recording will be made available as soon as possible.

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BASF
We create chemistry

Chemistry for a sustainable future
Peter Eckes, Ph.D.
President Bioscience Research
ACS Webinars, May 2021



Our purpose:

**We create
chemistry for a
sustainable future**

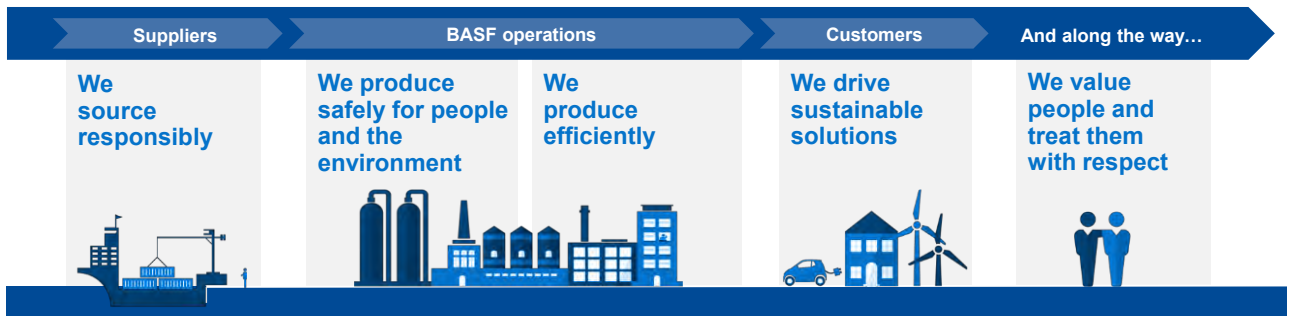
BASF at a glance: Key figures 2020



We are the world's largest chemical company



BASF corporate commitments #sustainability We take a holistic approach across the entire value chain

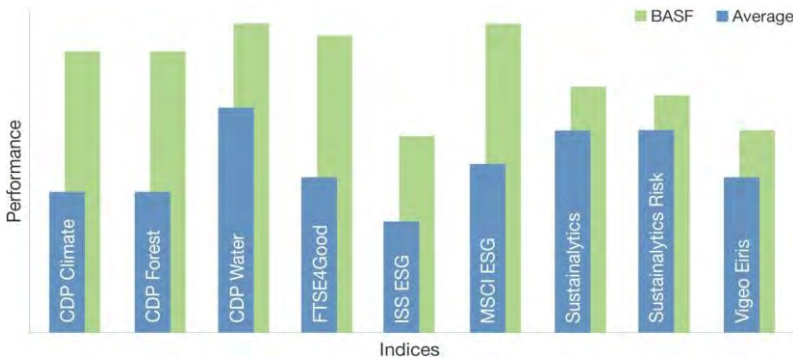


[Our sustainability goals](#)



BASF is a recognized leader in sustainability ratings and rankings

BASF's relative position in ESG¹ ratings

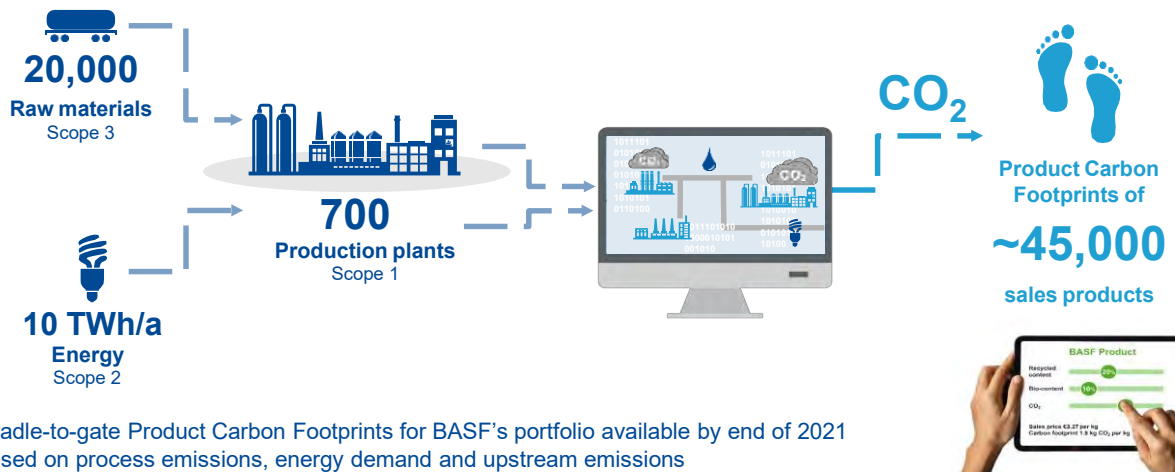


German Corporate Social Responsibility (CSR) Award 2020 for an outstanding and long-term CSR commitment and a holistic strategy addressing all areas of the company

¹environment, society and governance



Turning carbon management into business opportunities

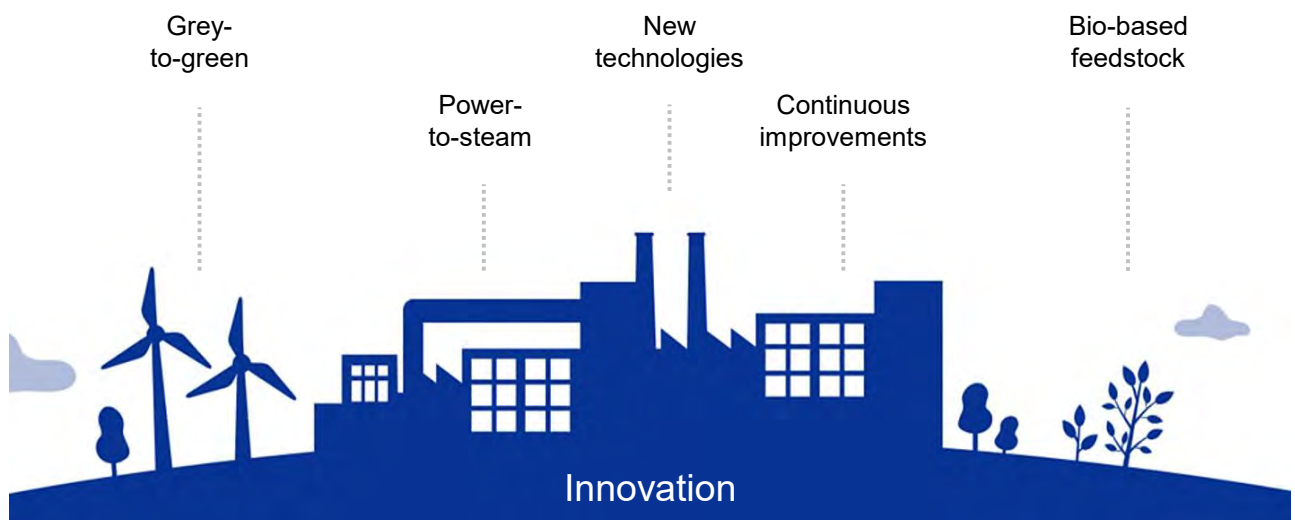


Cradle-to-gate Product Carbon Footprints for BASF's portfolio available by end of 2021 based on process emissions, energy demand and upstream emissions

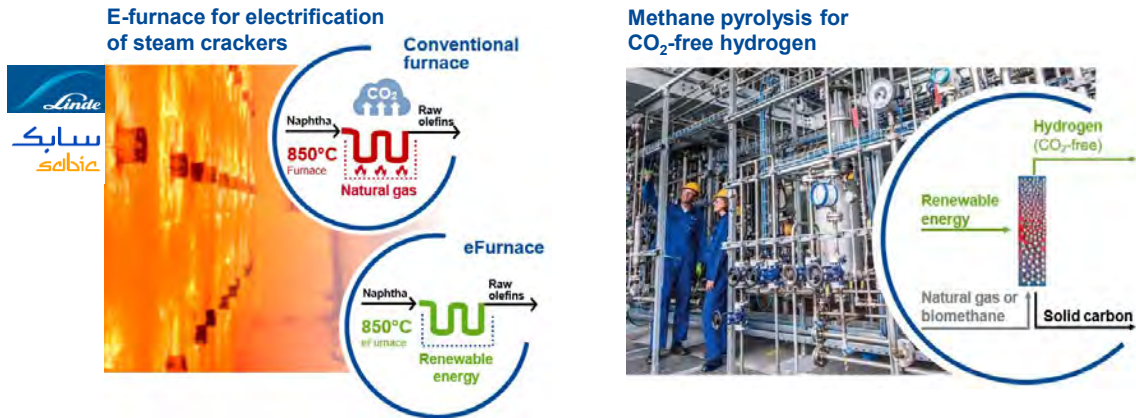




Innovation is at the heart of BASF's journey to #NetZero2050



Carbon management R&D program: Examples for breakthrough process technologies for key petrochemicals



25 5/12/2021 Chemistry for a sustainable future

W. I. BASF
We create chemistry

Circular economy: BASF's ChemCycling™ project exemplifying our activities in the area of circular feedstocks



26 5/12/2021 Chemistry for a sustainable future

Sustainable innovations for our customers: Examples



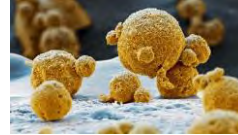
ecovio® M 2351
Biodegradable mulch film for agriculture



Revysol®
Fungicide for advanced disease control and plant health



Lipofructyl® Argan LS 9779
Organic and fair trade certified argan oil for moisturizing skin and hair care



HED™ NCA 7051
Cathode Active Materials reducing the CO₂ mobility footprint and using sustainably sourced metals



Baxxodur® EC 301
Epoxy system for cost-competitive large wind blades manufacturing



Elastollan® N
Biobased thermoplastic Polyurethane



Neopor® BMB
High insulation performance with less material consumption



Lavergy® types
Biodegradable enzymes for the detergent and cleaning agent industry



Natuphos® E
Feed additive enzyme for improved nutrient conversion



Inscalix®
A new active ingredient for old pest problems





Lead the change and work with BASF #belongatBASF

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Professionals



Graduates



Students



Pupils

We are consistently recognized for our sustainability, diversity and safety practices:



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to learn more



We see a bright future for chemistry



Stay connected on LinkedIn and Twitter!



Peter Eckes · 1st
President, Bioscience Research at BASF



@petereckes



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#NetZero2050

BASF
We create chemistry for a sustainable future
Chemicals - Ludwigshafen · 1,569,795 followers



BASF
We create chemistry

3M Science.
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Sustainability at 3M

May 12, 2021

“How Industry is Driving Sustainability Through Innovation”

Gayle Schueller, Senior Vice President and Chief Sustainability Officer



Serving our customers through four business groups

Safety & Industrial

Transportation & Electronics

Health Care

Consumer



Accelerating safety and industry performance by serving the industrial, electrical and safety markets.

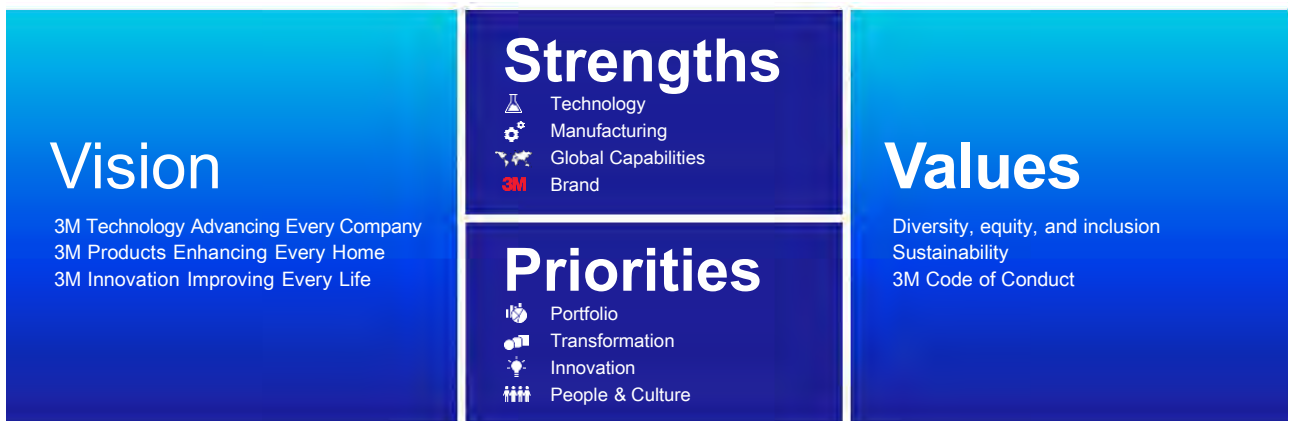
Moving transportation and a connected world forward by serving automotive and electronic OEM customers.

Connecting people, insights, science and technology to make better health possible around the world by serving the health care industry.

Innovating to simplify life and work by serving global consumers.

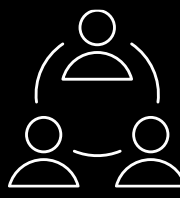


3M Value Model

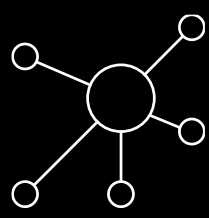


Leveraging insights and technology expertise

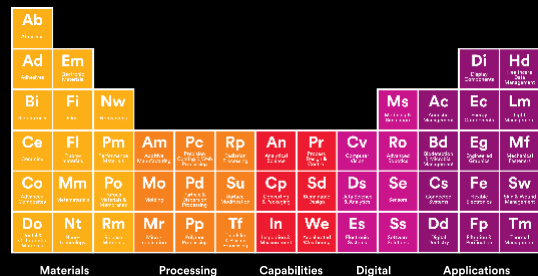
Our people and work team



Insights from our customers and markets



3M Technology Platforms



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Leading and innovating for a more sustainable future

Applying our science to improve lives



Science for Circular

Design solutions that do more with less material, advancing a global circular economy.

Science for Climate

Innovate to decarbonize industry, accelerate global climate solutions and improve our environmental footprint.

Science for Community

Create a more positive world through science and inspire people to join us.



Our sustainability goals (2015 baseline and 2025 completion unless otherwise noted)

Science for Circular

Expanded in 2021

Reduce 3M's global water usage by the following amounts: 10% by 2022, 20% by 2025, and 25% by 2030, indexed to sales.^{1,2}

Announced in 2021

For 3M's global manufacturing operations, enhance the quality of water returned to the environment by the end of 2030. Our initial focus is on state-of-the-art water purification technology at the largest US water use locations; operational by the end of 2024.¹

Reduce dependence on virgin fossil-based plastic by 125 million pounds by 2025.⁵

Announced in 2019

Require every new product that enters 3M's new product commercialization process to have a Sustainability Value Commitment, demonstrating how it drives impact for the greater good.¹

Announced previously as 2025 goals

Engage 100% of water-stressed/scarce communities where 3M manufactures on community-wide approaches to water management.

Reduce manufacturing waste by an additional 10%, indexed to sales.

Achieve "zero landfill" status at more than 30% of manufacturing sites.

Drive supply chain sustainability through targeted raw material traceability and supplier performance assistance.



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Science for Climate

Expanded in 2021

Reduce Scope 1 and 2 market-based GHG emissions by at least 50% by 2030, 80% by 2040, and achieve carbon neutrality in our operations by 2050.^{1,3}

Expanded in 2020

Increase renewable energy to 50% of total electricity use and 100% by 2050.

Announced previously as 2025 goals

Help our customers reduce their GHGs by 250 million tons of CO₂ equivalent emissions through use of 3M products.

Improve energy efficiency indexed to net sales by 30%.



Science for Community

Announced in 2021

Invest \$50 million to address racial opportunity gaps in the U.S. through workforce development and STEM education initiatives.⁴

Double the representation of Black/African American and Hispanic/Latino employees in the U.S.^{4,5}

Support 5 million unique STEM and skilled trades learning experiences for underrepresented individuals.^{4,6,7}

Maintain or achieve 100% pay equity globally.^{4,5}

Announced in 2019

Donate 300,000 skills-based work hours across the globe.

Announced previously as 2025 goals

Double the pipeline of diverse talent in management to build a diverse workforce.

Provide training to 5 million people globally on worker and patient safety.

Invest cash and products for education, community, and environmental programs.



¹2019 is the baseline measurement year

²Expands our previous commitment, which aimed to reduce water use by 10% between 2015 and 2025

³Expands our previous 2025 goal to stay below 50% of our 2020 baseline, meaning 3M's 2030 Scope 1 and 2 emissions will now be reduced more than 65% from 2020 levels

⁴Established in 2020 to drive trend and trajectory progress over time

⁵2020 is the baseline measurement year

⁶Advance economic equity through nonprofit partnerships designed to inspire curiosity, improve academic outcomes, and provide transformational learning opportunities for underrepresented individuals

⁷2021 establishing baseline measurement year

Our sustainability goals

Science for Circular

Achieved **100%** Sustainability Value Commitment for new products
 ●●● achieving goal of 100%



Reduced manufacturing waste by **9.98% indexed**
 ●●○ toward goal of 10% reduction



42.9% (69 manufacturing facilities) zero landfill
 ●●● exceeding goal of 30%

Increased water efficiency **0.00% indexed**
 ●○○ behind goal of 10% improvement



16 manufacturing locations identified in water stress/scarce areas
 ●●● maintaining goal

468 completed supplier assessments
 ●●● maintaining goal



Science for Climate

Improved energy efficiency by **8.73% indexed**
 ●○○ behind goal of 30% improvement



Increased renewable energy **35.4%** total electricity use
 ●●○ toward goal of 50% increase



Nearly 75 million metric tons CO₂ equivalent customer avoided emissions
 ●●○ toward goal of 250 million metric tons

Scope 1 and 2 emissions **71.1%** below baseline
 ●●● ahead of goal of 50% below baseline²



Science for Community

Increased pipeline of diverse talent in management from **32.6% to 43.2%**
 ●●○ toward goal of doubling the pipeline

Provided 1.66 million training instances
 ●●○ toward goal of 3M training instances



\$87.9 investments in total global giving
 ●●● achieving goal of continuing to invest in global giving programs

Donated 35,200 skills-based work hours globally
 ●●○ toward goal of 300,000 hours



Numbers reflect progress through 2020.

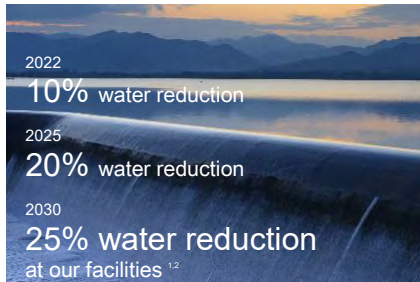
²2002 baseline at year; all others have a 2015 baseline.

●○○ behind goal ●●○ toward goal ●●● achieving goal

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Increasing our sustainability commitments

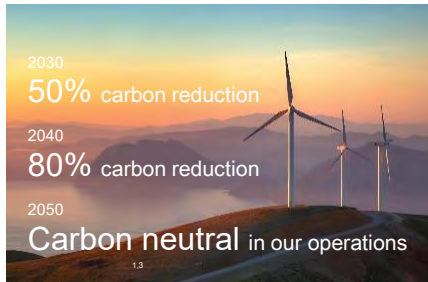
Planning to invest \$1 billion over the next 20 years



2022
10% water reduction

2025
20% water reduction

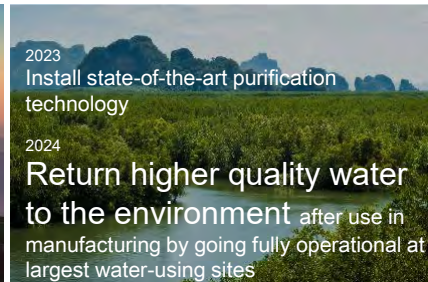
2030
25% water reduction
at our facilities ^{1,2}



2030
50% carbon reduction

2040
80% carbon reduction

2050
Carbon neutral in our operations ^{1,3}



2023
Install state-of-the-art purification technology

2024
Return higher quality water to the environment after use in manufacturing by going fully operational at largest water-using sites



Our goals mitigate climate change and **improve lives around the world**. We are committed to shaping a future with cleaner air, better water quality, and less waste.



2025
Reduce dependence on virgin fossil-based plastic by 125M lbs (nearly 56,700 metric tons) ⁴

1. 2019 is the baseline measure year.
 2. Expands previous commitment to reduce water use by 10% between 2015-2025.
 3. Expands previous 2025 goal of staying below 50% of 2002 baseline. 3M's 2030 Scope 1 and 2 emissions will now be reduced more than 85% from 2002 levels.
 4. 2020 is the baseline measure year.
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Powering experiences for STEM equity

Goal to create five million STEM experiences by 2025



As part of our overall commitment to creating greater equity in our communities, business practices and workplaces, 3M set a new global, education-focused goal. The company will advance economic equity by **creating five million unique STEM and skilled trades learning experiences for underrepresented individuals** by the end of 2025.

Flipping the switch on renewable energy

Membership in the RE100



3M Canada

3M California IMP site

St. Paul, MN parking garage

3M's global headquarters is powered entirely by renewable electricity — an important step in our commitment to move our entire global operations to **100% renewable sources of power by 2050** and meet an increased interim goal of 50% by 2025 (having achieved the initial goal of 25%).

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Embedding sustainability into every new product

Sustainability Value Commitment



Every new 3M product must include a Sustainability Value Commitment that details how it **drives impact for the greater good**. This formal requirement embeds sustainability into the pipeline that produces 3M's diverse portfolio of global products.

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Collaborating to advance sustainable business action

Participation in United Nations Global Compact



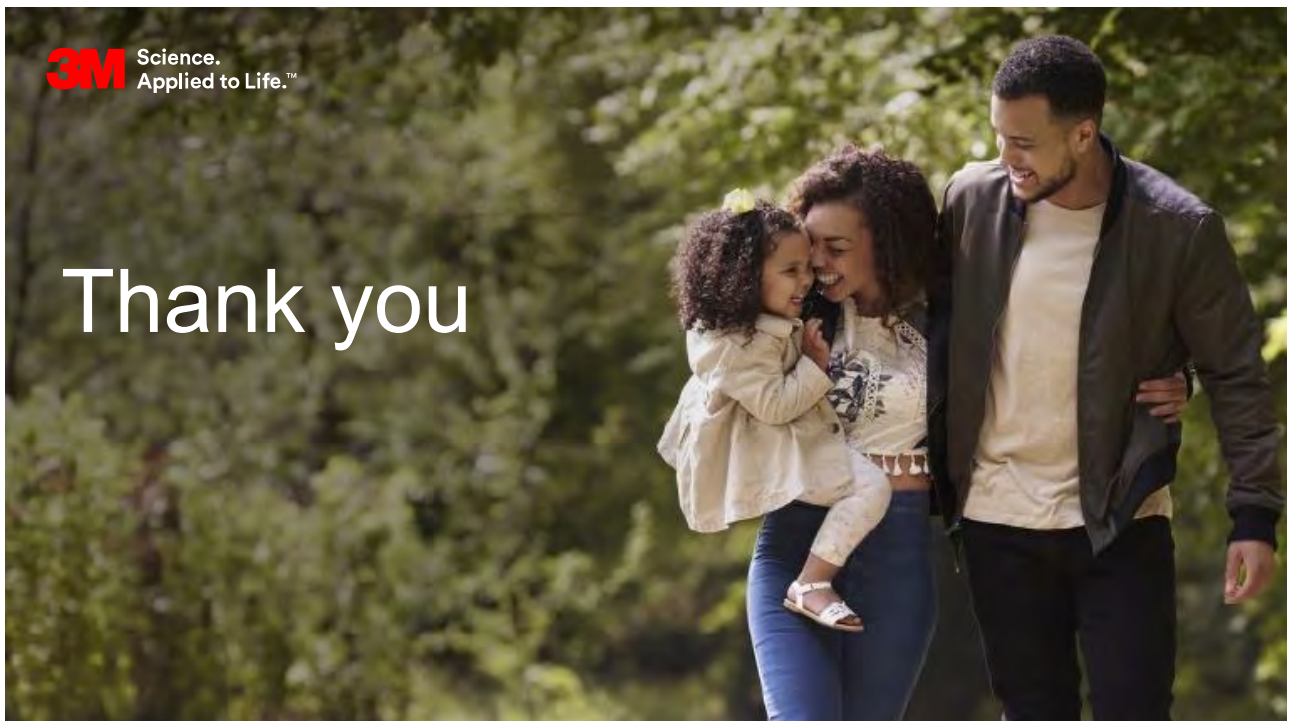
Activating ambitious action to achieve the SDGs

As a participant in the United Nations Global Compact (UNGC) since 2014, 3M supports its 10 principles in the areas of human rights, labor, environment and anti-corruption. In September 2020, 3M became a Patron Sponsor of the SDG Ambition, a UNGC initiative aimed at **helping companies integrate the United Nations' Sustainable Development Goals (SDGs)** into core business objectives—thereby advance sustainable impact and global progress against the goals.

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3M

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Applied to Life.™

Thank you

CHEMISTRY THAT MATTERS™



DELIVERING ON A CIRCULAR FUTURE FOR THE CHEMICAL INDUSTRY: THE NECESSITY OF INNOVATION, COLLABORATION AND EMBRACING RISK

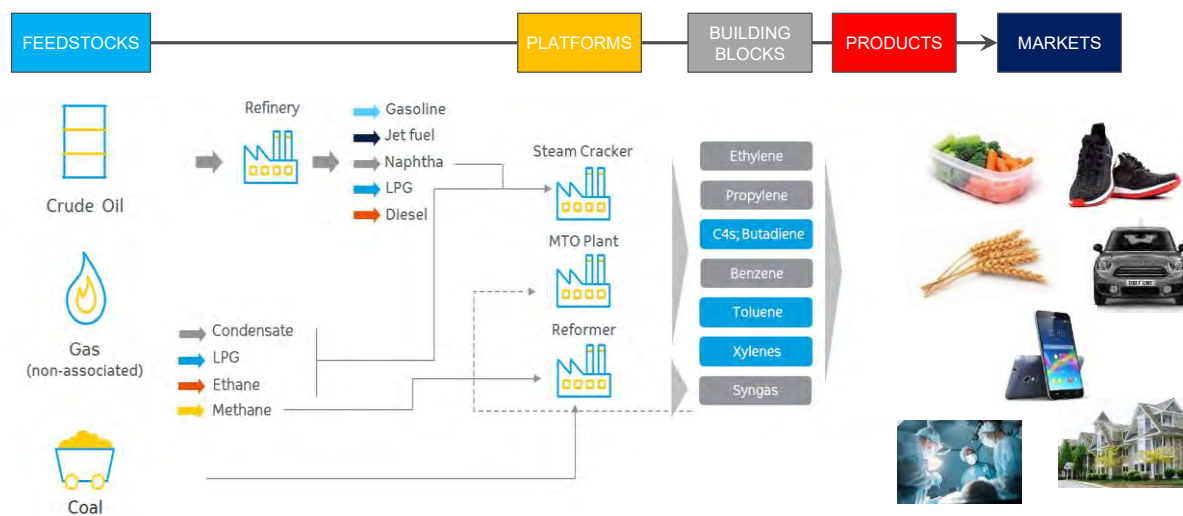
ACS WEBINAR - INDUSTRY EFFORTS TO DRIVE SUSTAINABILITY THROUGH INNOVATION
MAY 12, 2021

Bob Maughon
EVP - Sustainability, Technology and Innovation
Chief Technology and Sustainability Officer
SABIC

Classification: General Business Use



CHEMICAL INDUSTRY OVERVIEW



THE WORLD AROUND THE INDUSTRY IS CHANGING RAPIDLY

CONSUMER & NGO PRESSURE

- Climate change
- Plastics waste
- Product safety & environmental impact



BRAND OWNER EXPOSURE

- Consumer brand exposure to key sustainability threats
- Increased pressure for sustainability pledges / commitments
- Broader value chain being engaged for action
- Technology gaps limit implementable solutions

REGULATORY ENVIRONMENT

- Industry pressure on circularity and emissions across multiple regions
- EU Green New Deal
- SEEC driving efficiency / emission targets in KSA
- China bans plastic waste imports and sets 2060 Carbon Neutrality target



Blackrock CEO Larry Fink in his letter about a fundamental reshaping of finance: "Climate Change is driving a profound reassessment of risk and we anticipate a **significant reallocation of capital**"

THE BALANCE OF BENEFITS VS ENVIRONMENTAL IMPACT

EXISTING BENEFITS

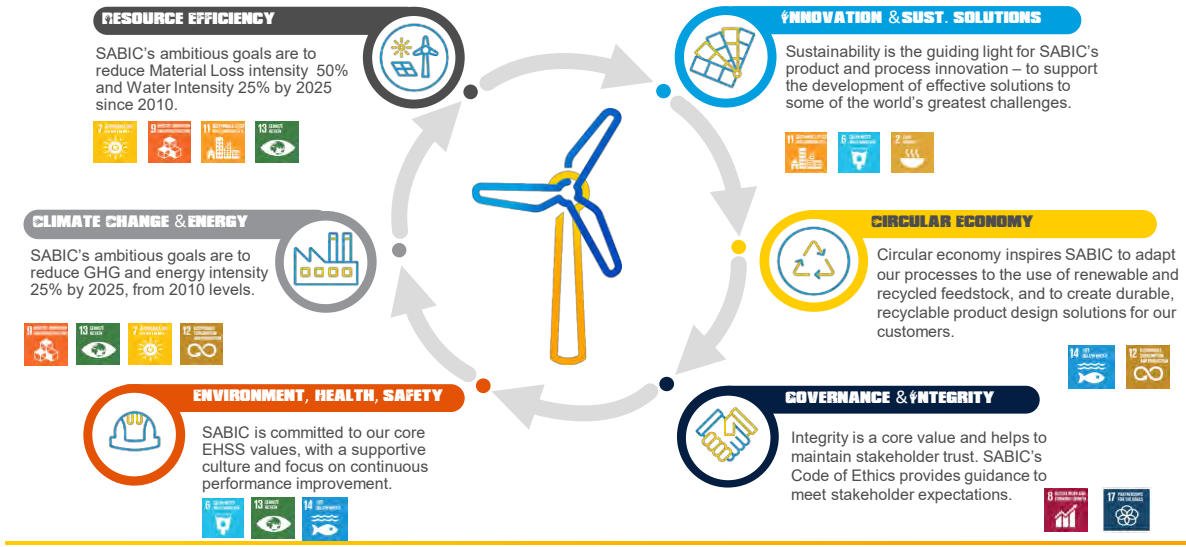


LIGHTWEIGHT - STIFFNESS -
IMPACT - DURABILITY - COST -
SAFETY - APPEARANCE -
FUNCTIONALITY

ISSUES TO BE SOLVED



SABIC SUSTAINABILITY PRIORITIES



* Baseline is year 2010 / Retain intensity targets 2010-2025 based on external sales

OUR BROADER COMMITMENT TO CIRCULAR SOLUTIONS



SABIC ADVANCED RECYCLING COMMERCIAL UNIT

WORLD'S FIRST COMMERCIAL UNIT FOR THE ADVANCED RECYCLING OF USED PLASTIC

- SABIC and Plastic Energy have **STARTED CONSTRUCTION** of world's first commercial unit to significantly upscale production of **SABIC'S CERTIFIED CIRCULAR POLYMERS** derived from used plastic
- Considerable milestone on the journey towards **CLOSING THE LOOP** and creating a **CIRCULAR ECONOMY FOR PLASTICS**
- This pioneering project in Geleen, The Netherlands is expected to become **OPERATIONAL IN THE SECOND HALF OF 2022**.

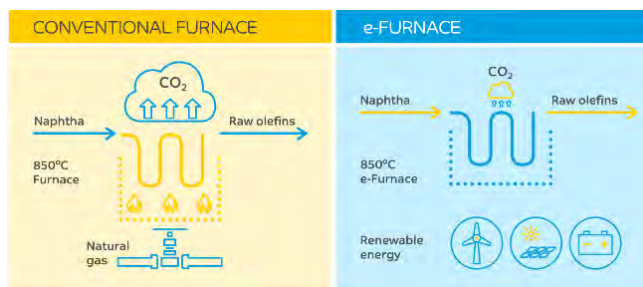


RENEWABLE ENERGY AND ASSET ELECTRIFICATION KEY TO CARBON NEUTRALITY AMBITION

BASF, SABIC and Linde join forces to realize the world's first electrically heated steam cracker furnace

3/14/2021

<https://www.hydrocarbonprocessing.com/news/2021/03/basf-sabic-and-linde-join-forces-to-realize-the-world-s-first-electrically-heated-steam-cracker-furnace>



NEW INDUSTRY & VALUE CHAIN COLLABORATION MODELS EMERGING

WORLD ECONOMIC FORUM

Collaborative Innovation for Low-Carbon Emitting Technologies in the Chemical Industry

MISSION

To accelerate the development and upscaling of low carbon emitting technologies for chemical production and related value chains. The ambition of the initiative is to set the industry on a path to net zero emissions by 2050.



The screenshot displays a grid of technology areas: CCU (Level: Trial), Biomass Utilization (Level: Client/Global DSM), Electrification (Level: MVP), Alternative Hydrogen Production (Level: Air Liquide), and Waste Processing (Level: SABIC/Client/Contract). Below this, it lists participating companies for each area, including Air Liquide, BASF, CLARIANT, DSM, SABIC, and TOTAL.

ALLIANCE TO END PLASTIC WASTE

MISSION

A new CEO led, cross-sector, not-for-profit organization with a clear mission to develop, accelerate & deploy solutions, catalyze public & private investment and engage communities to help end plastic waste in the environment

INVESTING \$1.5B USD OVER 5 YEARS

NOT FOR PROFIT 501(c)(3) STATUS SUPPORTS GLOBAL OPERATIONS, ELIGIBILITY FOR FOUNDATION GRANTS AND POTENTIAL TAX BENEFITS

FOUR PART STRATEGY

- INFRASTRUCTURE
- INNOVATION
- EDUCATION
- CLEAN UP

2 PATHS TO PROGRESS

PART A: \$0.5 B USD
ANNUALLY FUNDED, PHILANTHROPIC, ALLIANCE-BRANDED PROGRAMS

PART B: \$1 B USD
AGGREGATED COMPANY SPONSORED & DIRECTED INVESTMENTS INTO WASTE MANAGEMENT OR TECHNOLOGIES SUPPORTIVE OF THE ALLIANCE MISSION.

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CHEMICAL INDUSTRY NEEDS TO ENABLE A CIRCULAR ECONOMY

• Science and Technology Investment

- **Grow Talent:** Reaction Engineering, Separations, Materials Processing, Catalysis, Modeling, Digitalization
- **Drive Science-based Prioritization:** Focus should be on the most impactful solution and clear scientific direction is needed
- **Invest for Breakthrough R&D and Technology Demonstration:** Recycling, Bio-based feedstocks, Electrification, Energy Storage, Hydrogen, and CCS / CCU (to close the remaining gap to neutrality)

• Policy, Finance, Infrastructure

- **Availability of Financial Capital:** Critical to de-risking earlier stage technologies and enabling the transition of this capital intensive industry
- **Sound Policy and Regulatory Frameworks:** Essential to catalyze value chain investment and competitiveness
- **Enabling Infrastructure and Standards:** Waste collection infrastructure; Increased renewable energy investment; reliable and expanded renewable energy grid; CO₂ storage and transport; bio and recycled feedstocks)
- **Recognition for Scope 2 & 3 GHG Emissions**

• Collaboration:

- Industry, Cross-sectors, and Public-Private; addressing regulatory, finance, technology, and market hurdles

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CHEMISTRY THAT MATTERS™

سابك
sabic

COLLABORATION.
IT'S MAKING THE
CIRCULAR ECONOMY
GO ROUND.

As we adapt to a new normal, we're helping support more sustainable economies.

That's why SABIC introduced the TRUCIRCLE™ initiative to work with our collaboration partners to rethink recycling. SABIC's collaborations are making it possible to create materials of high enough quality for food packaging by breaking complex, low quality waste plastics down to their original state. We can use, reuse and repurpose more of our resources without using new ones. It's innovative technology that's making the circular economy reality with Chemistry that Matters™.

Meet one of the world's leading chemical companies at SABIC.com

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ACS Member-only weekly newsletter with exclusive interviews with industry leaders and insights to advance your career.

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How Industry is Driving Sustainability Through Innovation



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How Industry is Driving Sustainability through Innovation



PETER ECKES
President Bioscience Research,
BASF



GAYLE SCHUELLER
Chief Sustainability Officer,
3M



BOB MAUGHON
Executive VP of Sustainability, Technology
& Innovation and Chief Technology and
Sustainability Officer, SABIC



REBEKAH PAUL
Program Manager, Industry Member
Programs, American Chemical Society

Presentation slides are available now! The edited recording will be made available as soon as possible.

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Nanosafety

Emerging Research Perspectives



Date: Thursday, May 13, 2021 @ 2-3pm ET

Speakers: Tilak Chandra, University of Wisconsin-Madison / Katie Kroszynski, University of Wisconsin-Madison / Markus Schaufele, Northwestern University
Moderator: Ralph Stuart, Keene State College

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What You Will Learn:

- The emerging concerns related to nanoparticle safety, both in the laboratory and in the environment
- How a "what if" method can be used for a hazard assessment to develop a safe operating procedure
- What research about nanoparticles in the environment tells us about potential hazards

Co-produced with: ACS Division of Chemical Health and Safety ACS Committee on Chemical Safety

Scientific Espionage, Open Exchange, and American Competitiveness



Date: Tuesday, May 18, 2021 @ 2-3pm ET

Speaker: Xiaoxing Xi, Temple University
Moderator: Jyllian Kemsley, *Chemical & Engineering News*

[Register for Free!](#)

What You Will Learn:

- A personal account of what occurs when the DOJ charges someone for stealing secrets
- Why criminal investigations and prosecutions under the DOJ's "China Initiative" are unjust to Chinese scientists and damaging to American leadership in science and technology
- Why open fundamental research is facing an existential threat and what a federal scientific group recommends to address China influence within the framework of research integrity

Co-produced with: *Chemical & Engineering News*

How to Start a Start-Up



Date: Wednesday, May 19, 2021 @ 6-7 IST (8:30am ET)

Speaker: Amitabha Bandyopadhyay, Indian Institute of Technology Kanpur
Moderator: Deeksha Gupta, American Chemical Society

[Register for Free!](#)

What You Will Learn:

- What are the key ingredients of a successful start-up
- How to develop a refined approach to finding a relevant problem to solve
- How to master the art of defining the customer segment in a start-up culture

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