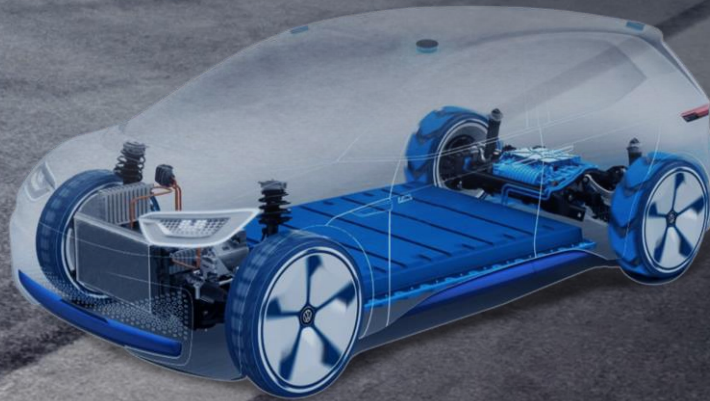


SUSTAINABILITY

MEGA TREND



BIO PLASTICS



e-MOBILITY



PHARMACEUTICALS

Strategic foresight in current megatrend is put into our perspective and products we supply.

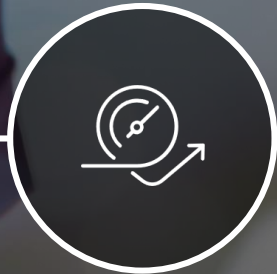


VISION & CORE VALUES

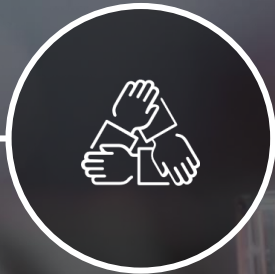
WE CONNECT SCIENCE TO LIFE FOR A BETTER FUTURE



Customer Focus



Agility



Collaboration



Passion



Sustainability

Sustainability is incorporated into the vision as a core value.

A dirt road with tire tracks winds through a lush green field towards a distant horizon. The sky is a deep blue with scattered white clouds. The overall scene conveys a sense of openness and forward movement.

LG CHEM INNOVATIVE SUSTAINABILITY



ENVIRONMENT

MANAGING THE IMPACTS OF CLIMATE CHANGE

Climate Action

Renewable Energy

Water Management



CUSTOMER

LEADING SUSTAINABLE INNOVATION FOR CUSTOMER

Responsible Products

Circular Economy

Environment Protection



SOCIETY

MAKING A POSITIVE CONTRIBUTION TO SOCIETY

Responsible Supply Chain

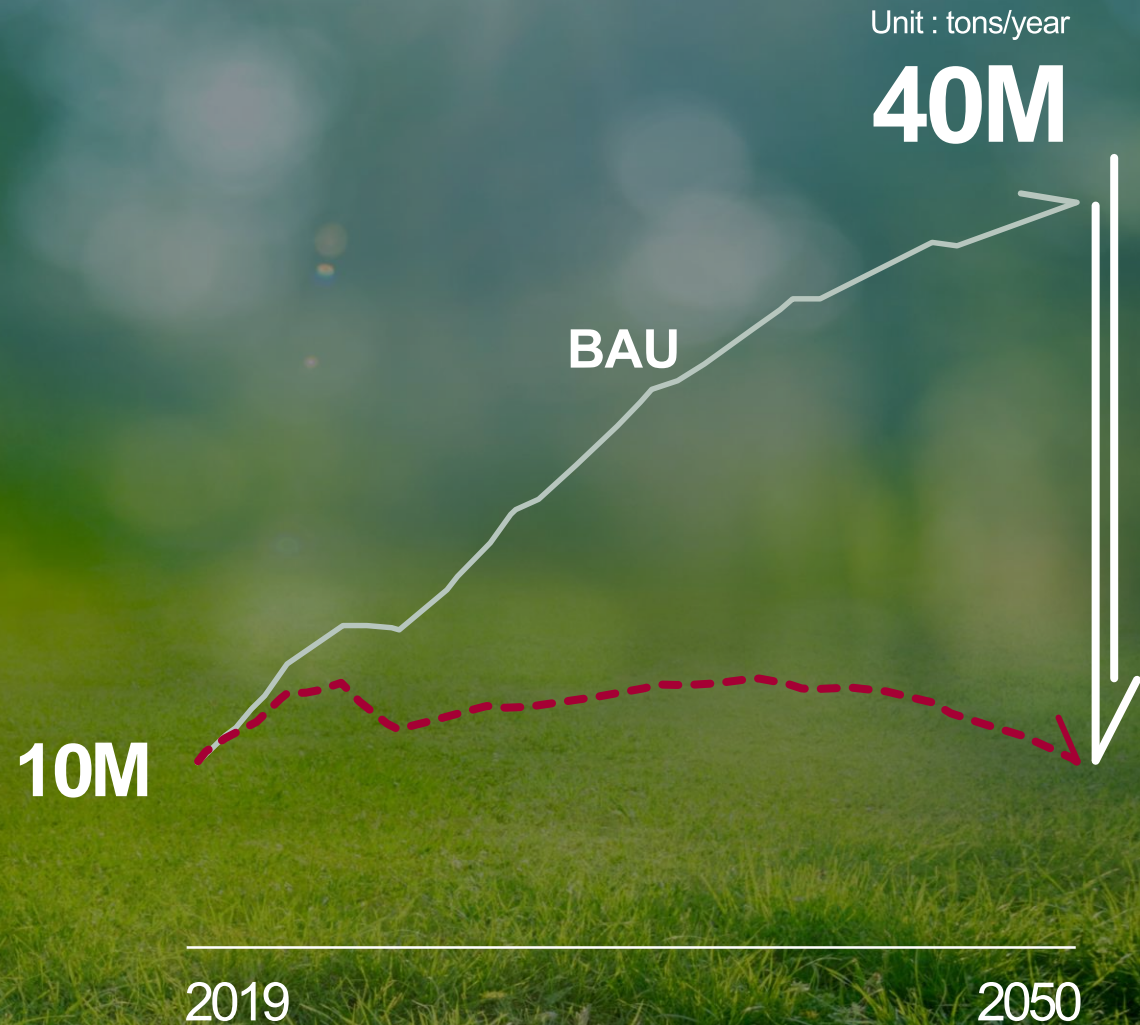
Human Rights / Diversity

Safety / Wellness

A dirt road with visible tire tracks curves through a lush green field. The sky above is a deep blue with scattered white clouds. The overall scene is bright and open, suggesting a rural or natural setting.

**SUSTAINABILITY
WE DELIVER ON**

CARBON NEUTRAL GROWTH 2050



We are proud to be the first Korean chemical company to declare 'Carbon Neutral Growth by 2050'.
It is our firm determination to keep carbon emissions flat to 2019 level while pursuing a sustainable growth.

CARBON NEUTRAL GROWTH 2050

30,000,000t



12.5M

Fossil Fuel Vehicle*

*Carbon Emissions a year



220M

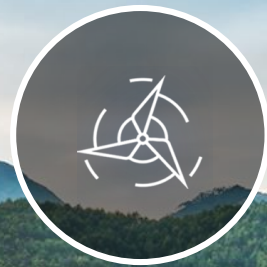
Pine Trees

To achieve this ambitious target, 30 million tons of carbon, equivalent to emissions from 12.5 million of fossil fuel vehicles a year should be reduced in our global operations. It is the same amount that can be offset by planting 220 million of pine trees.

RENEWABLE ENERGY 100%



WATER



WIND



SOLAR

We are also the first mover in Korea to commit to RE100, which means our products will be made with renewable energy by 2050. To take action in this regard, battery plants in Europe and the US are now running on clean energy.

CIRCULAR ECONOMY



There is no planet B. Moving away from linear economy towards recycling economy is not our final destination. Instead, we are on our way to circular economy making our products more adaptable to recycling



CIRCULAR ECONOMY

WORLD'S FIRST POST-CONSUMER RECYCLED ABS PLASTIC



Our PCR ABS(Acrylonitrile Butadiene Styrene) is white, clean and bright. More importantly, its quality is second to none.



CIRCULAR ECONOMY

A QUICK CHARGING STATION POWERED BY END-OF-LIFE BATTERY



Installed in Ochang Plant, Korea

Our technology to precisely predict the residual life in used batteries can help reuse the battery for Energy Storage System.
Those batteries are later recycled for the brand-new ones.

LANDFILL ZERO



Waste from our manufacturing process is not just disposed of but recycled. Carbon emissions and disposal costs can be reduced through the products that add up to zero waste. To this end, landfill zero is now mandated in our new operation sites.



RESPONSIBLE SOURCING

CLEAN METAL

100%



TRANSPARENCY



TRACEABILITY

Metals we use to produce battery are responsibly sourced.
To ensure they are 100% clean, rigorous due diligence practice is put in place with transparency and traceability in our supply chain.



RESPONSIBLE SOURCING

WORKING TO UPHOLD HUMAN DIGNITY

Conducting business responsibly means human rights can be respected across the value chain.
We spare no efforts to keep our business sustainable for people we care.

INITIATIVES FOR COLLECTIVE ACTIONS



Global challenges we face in our business cannot be solved alone. We therefore join forces with other like-minded companies. Opportunities lie ahead when we seek together. Creating a closed-loop for circularity is one of great examples.



**SUSTAINABILITY
WE CREATE**



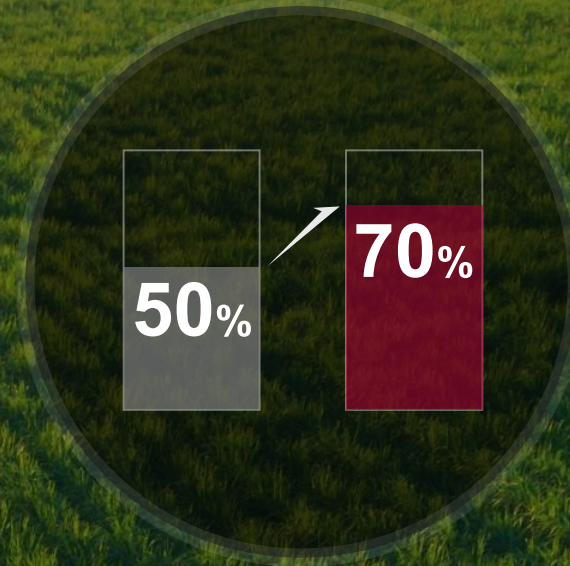
PETROCHEMICALS

Bio-based



Including Bio-degradable (PBAT, PLA)
to be commercialized by 2024

PCR-ABS

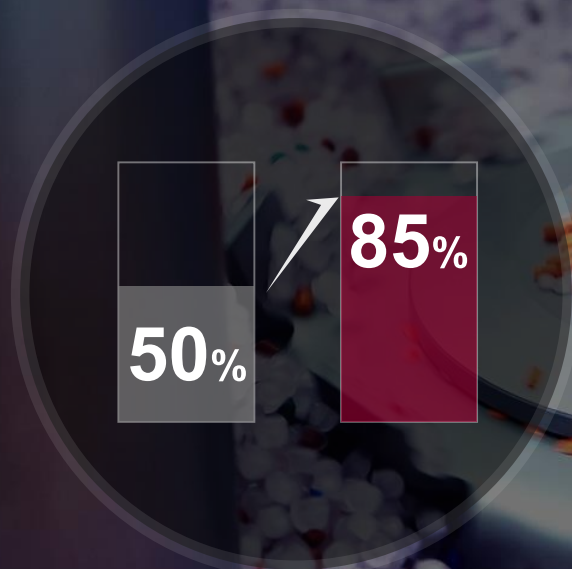


No physical properties and external appearance
found when compared with its virgin



ADVANCED MATERIALS

PCR-PC



Recycled content to be increased

Clean Metal



Keeping supply chain risks to a minimum



ENERGY SOLUTIONS

Clean Metal



100%

Keeping supply chain risks to a minimum

Renewable Energy



100%

Switching to green energy by 2025



PETROCHEMICALS

ABILITY



ADVANCED MATERIALS



ENERGY SOLUTIONS

We have an ability to help our customers become more sustainable in their business.

SUSTAIN**A**BILITY

**A NEW STANDARD
FOR A NEW ERA**



A handwritten signature in white ink, likely reading 'H. Shin'.

Hak Cheol Shin
CEO & Vice Chairman, LG Chem

SUSTAINABILITY