MEGA TREND

BIO PLASTICS

e-MOBILITY

PHARMACEUTICALS

Strategic foresight in current megatrend is put into our perspective and products we supply.
WE CONNECT SCIENCE TO LIFE FOR A BETTER FUTURE

Sustainability is incorporated into the vision as a core value.
SUSTAINABILITY
INNOVATIVE
LG CHEM
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
SUSTAINABILITY
WE DELIVER ON
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

30,000,000 t

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

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.
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.
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.
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
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

50% → 85%

Clean Metal

Keeping supply chain risks to a minimum

100%
Clean Metal
100%
Keeping supply chain risks to a minimum

Renewable Energy
100%
Switching to green energy by 2025
SUSTAINABILITY

PETROCHEMICALS

ADVANCED MATERIALS

ENERGY SOLUTIONS

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

A NEW STANDARD

FOR A NEW ERA

Hak Cheol Shin
CEO & Vice Chairman, LG Chem