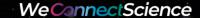


**U**LG Chem





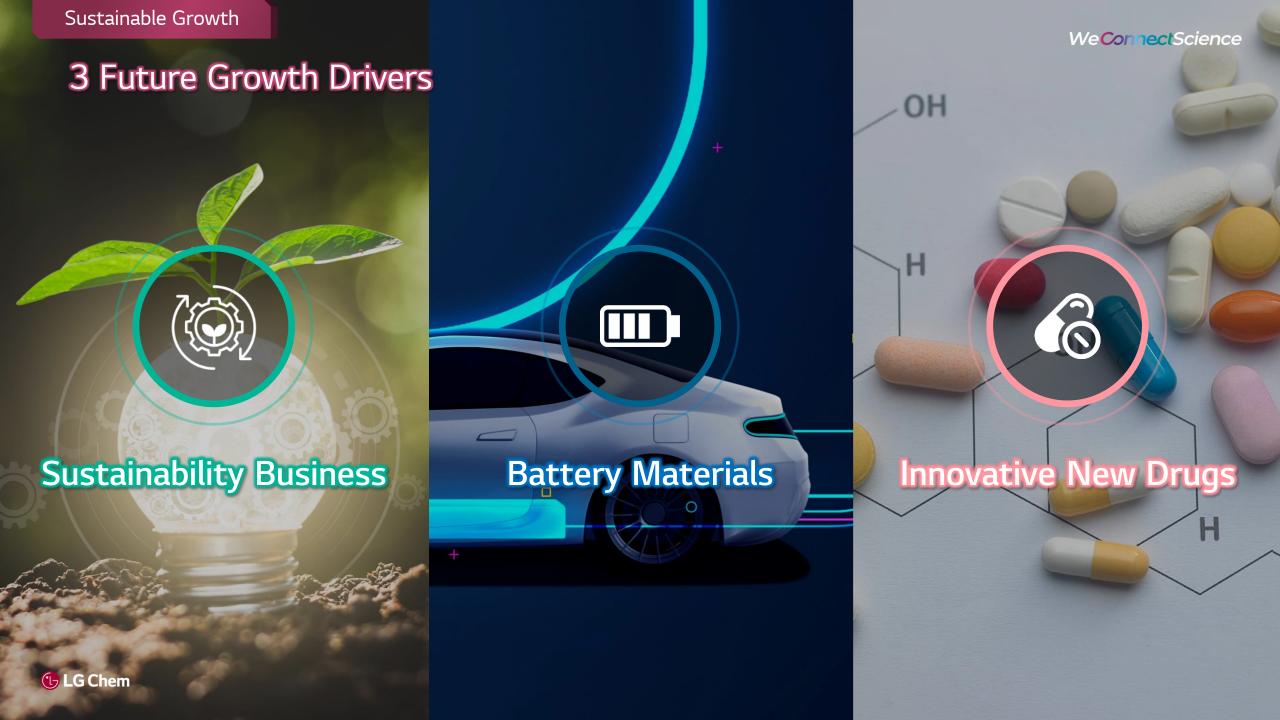
# LG Chem Towards Top Global Science Company

### Sustainable Growth

- 3 Future Growth Drivers
- R&D Capabilities

Carbon Neutral Growth







### Sustainability Business









#### Sustainability Business









### Sustainability Business











#### Sustainability Business - LG Chem Sustainability Business Sales





Battery Materials

Global Top
Comprehensive
Battery Materials
Company

Global Top

Cathode

Additional Battery Materials

Separator



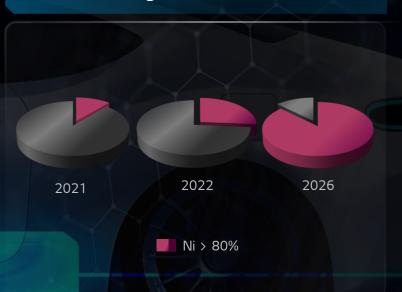
#### Battery Materials - Cathode



#### **Expansion of Capacity**

# (K ton) 260 76 36 2020 2021 2026

#### **Increase in High Performance Product**



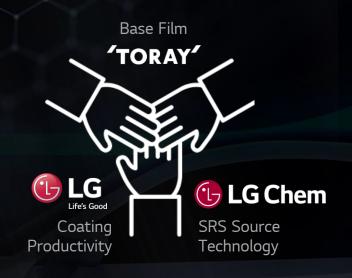
#### **Diversification of Client Portfolio**







#### Battery Materials - Separator







Strengthen Business Leadership
Capa Expansion (Europe / US)
Diversification of Client Portfolio

Foundation of Business

**Consolidation of Competitiveness** 

**Expansion of Business** 

2021

2022~2023

2024~





#### Battery Materials - Additional

## New Battery Materials



CNT



(Thermally Conductive Adhesive)



Binder

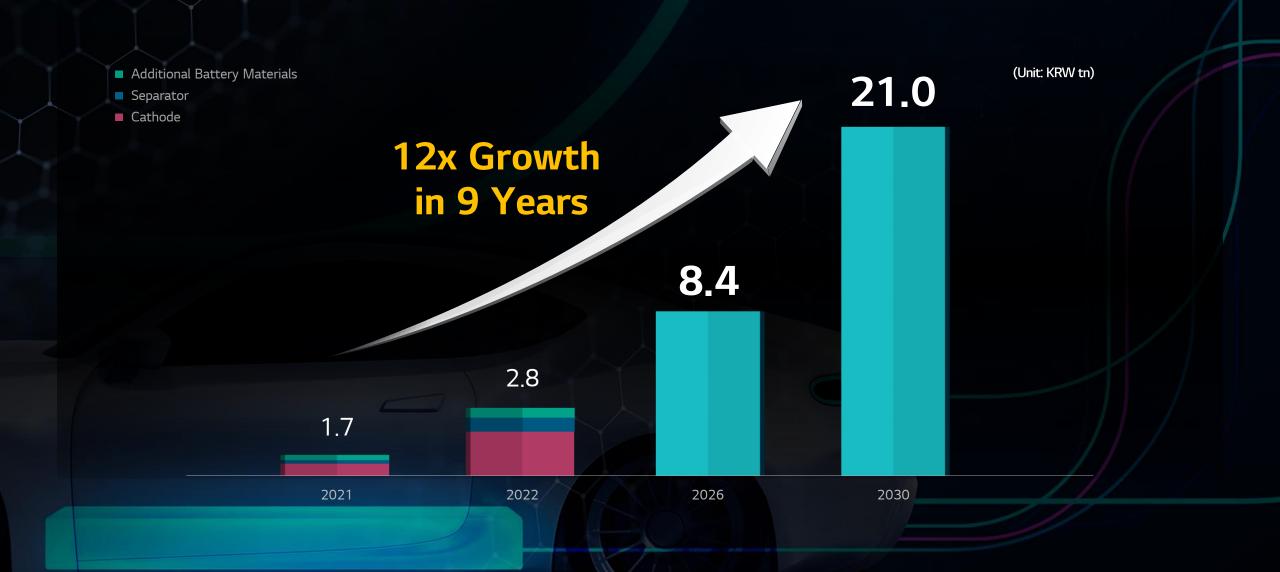


BAS

(Battery Assembly Solution)



#### Battery Materials - Sales Forecast for Battery Materials Business





# A Global Pharmaceutical Company With Innovative Drugs

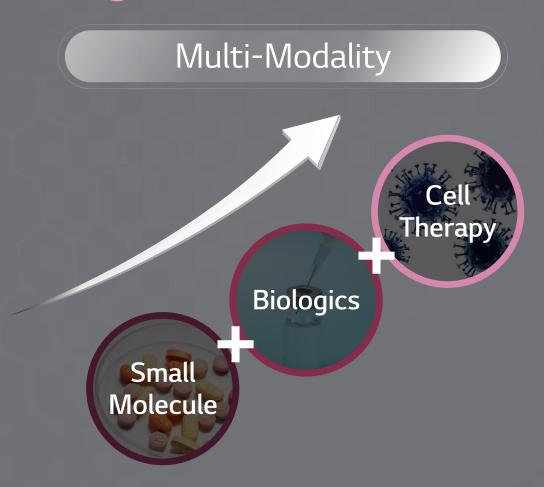
Main Therapeutic Area

Category Leader

Oncology & Immunology

Diabetes & Metabolism

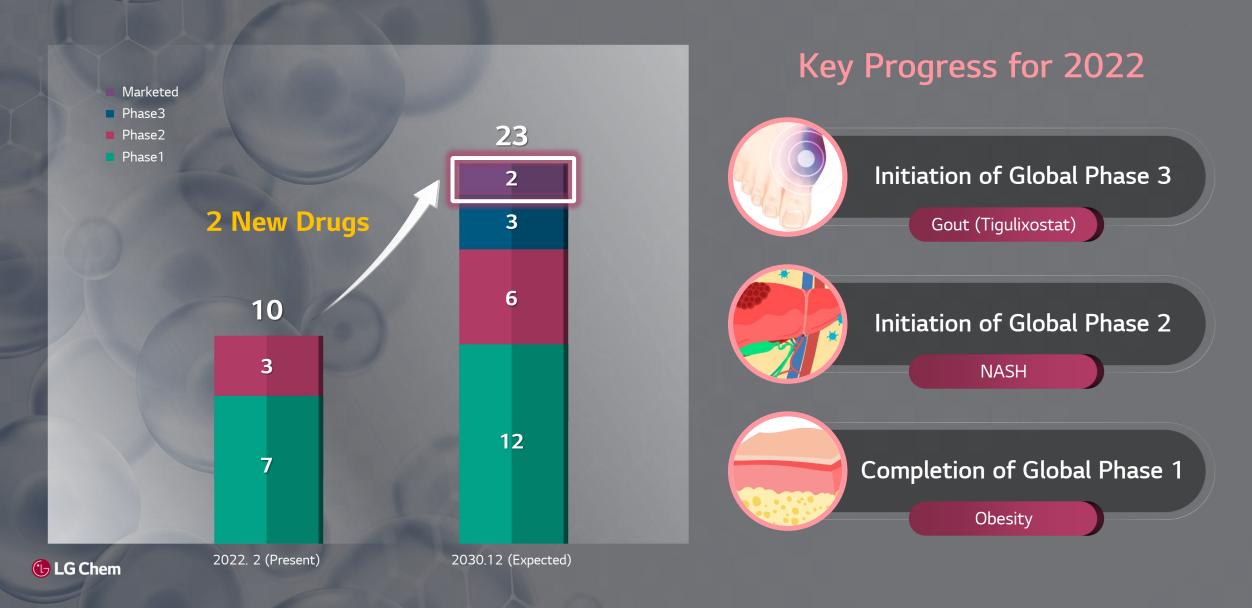
Platform Technologies

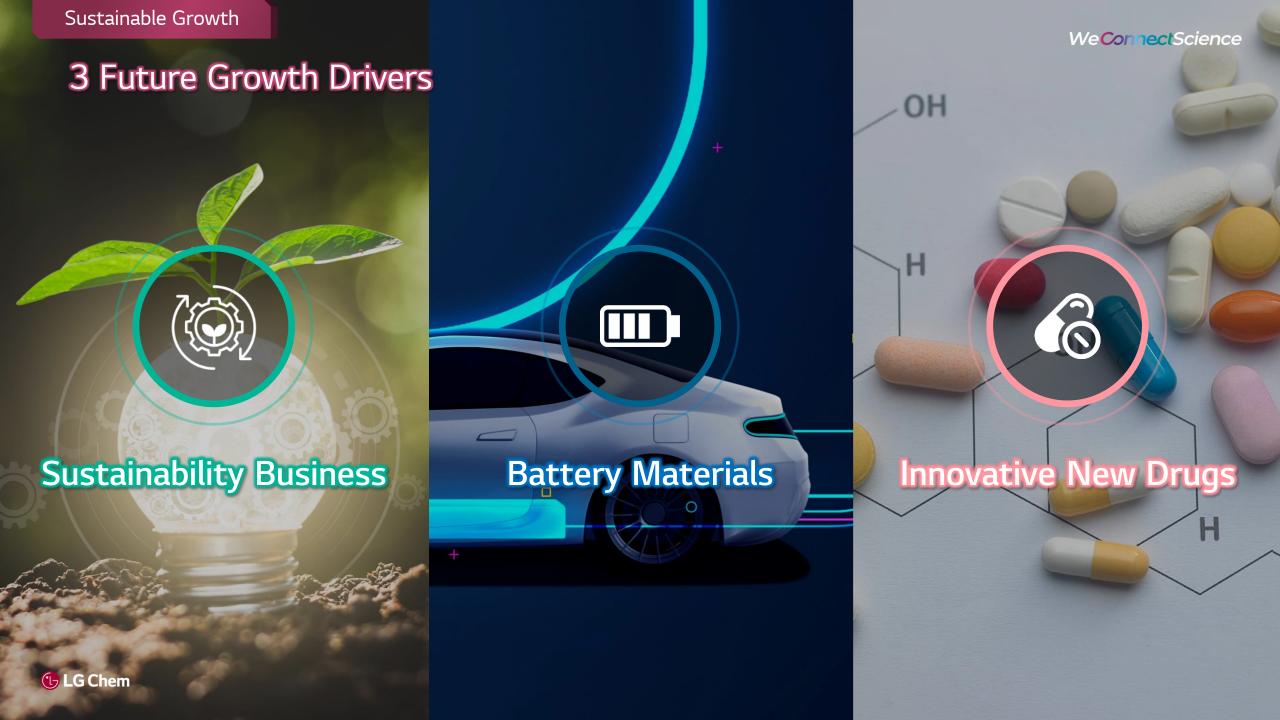


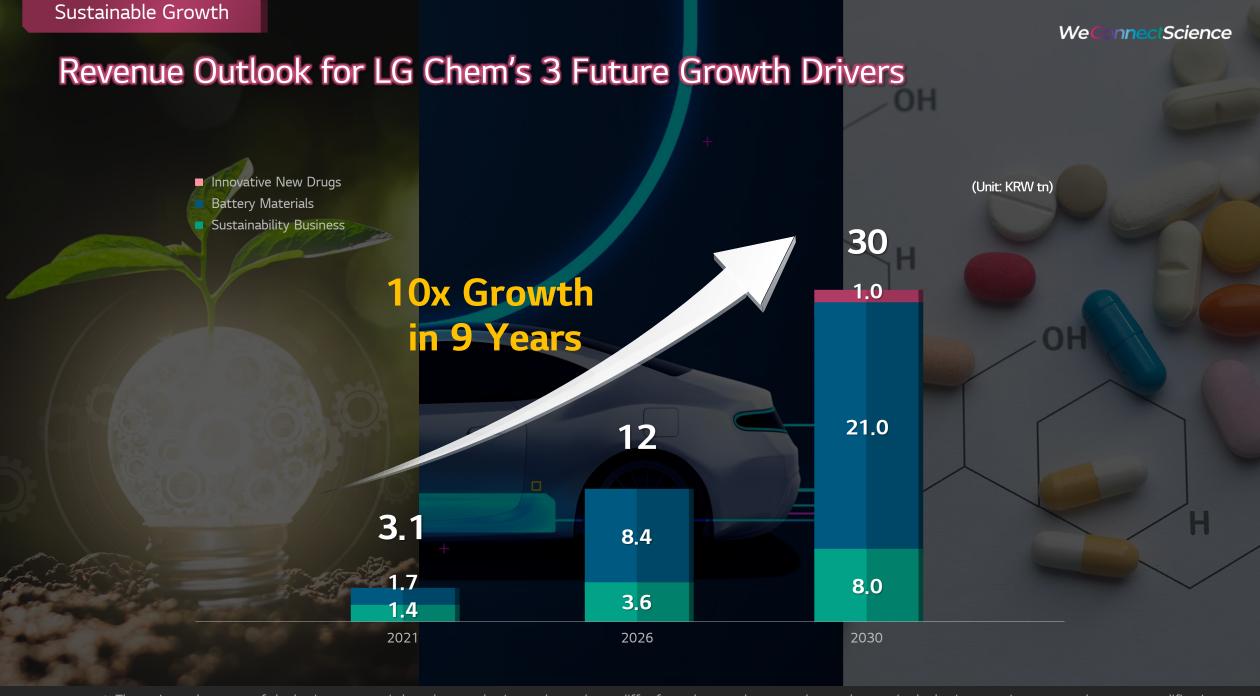


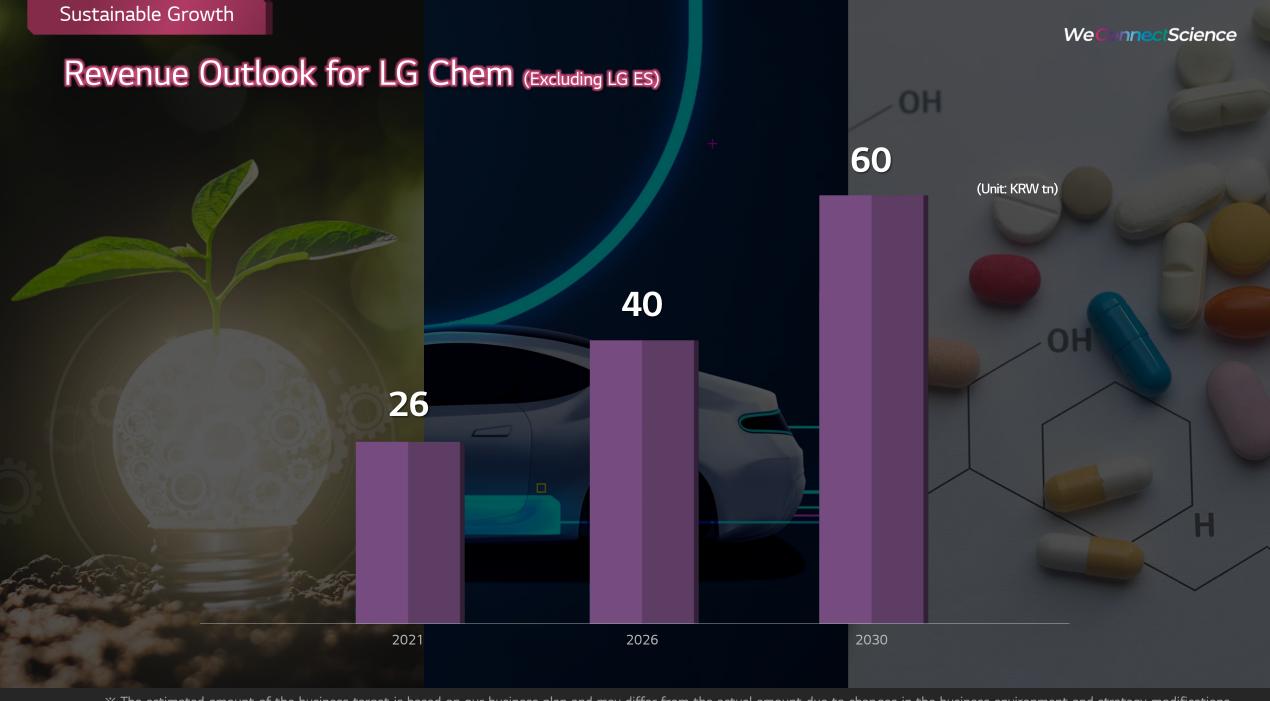


### (6) Innovative New Drugs - New Drugs Pipeline

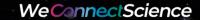








X The estimated amount of the business target is based on our business plan and may differ from the actual amount due to changes in the business environment and strategy modifications.



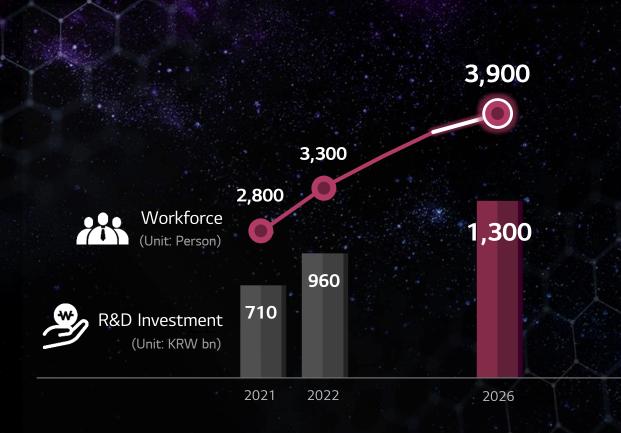
# LG Chem Towards Top Global Science Company

## Sustainable Growth

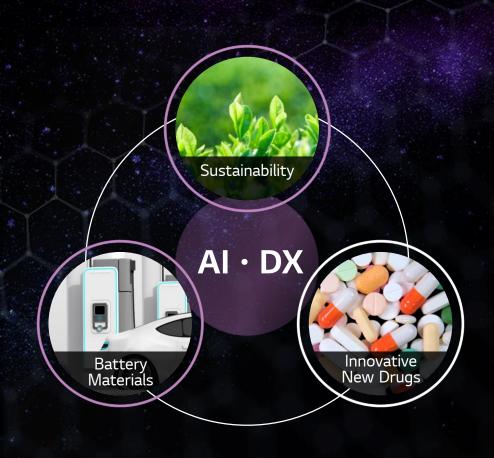
- 3 Future Growth Driver
- R&D Capabilities

Carbon Neutral Growth

#### Investment on R&D Technology



R&D Workforce / Investment (Excluding LG ES)

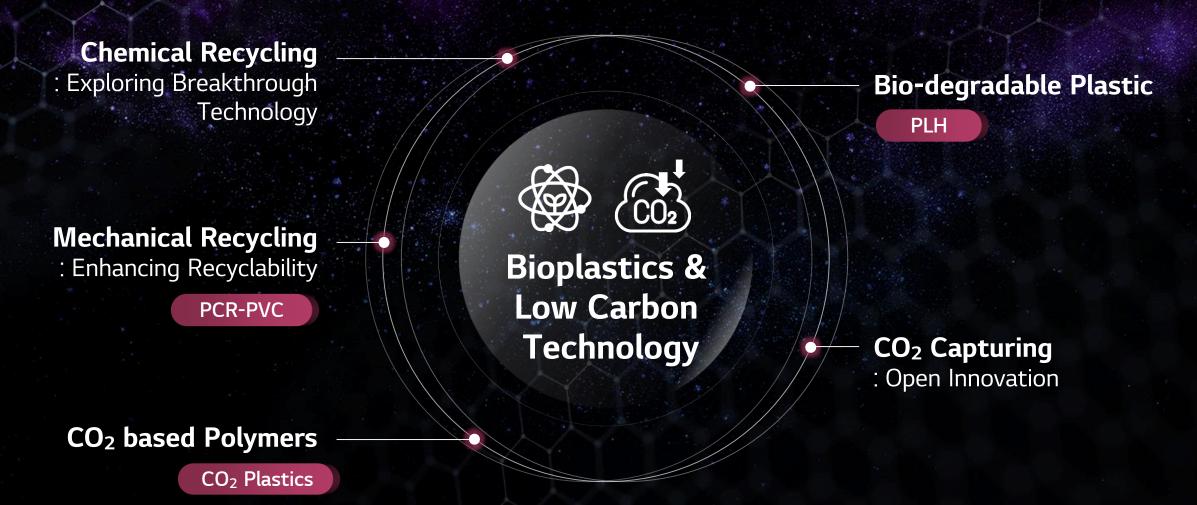


R&D Strategic Area





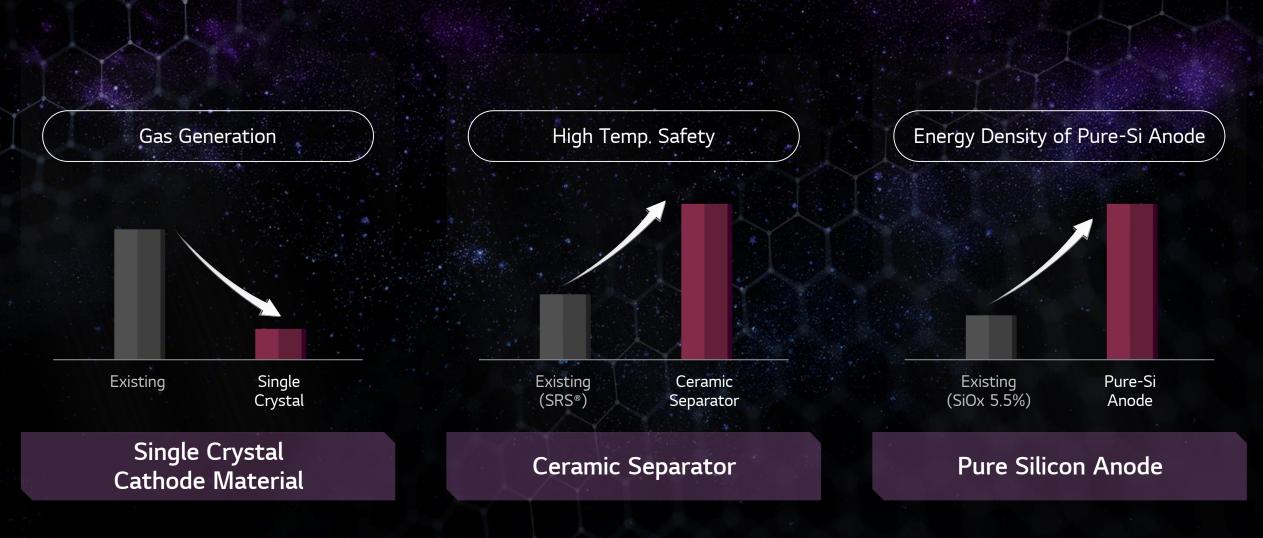
#### Development for Sustainability Business







#### Development of Advanced Technology for Battery Materials





M&A Records in 2021

JV with Toray for Separator Business

Acquisition of LG Electronics'
Separator Coating Business

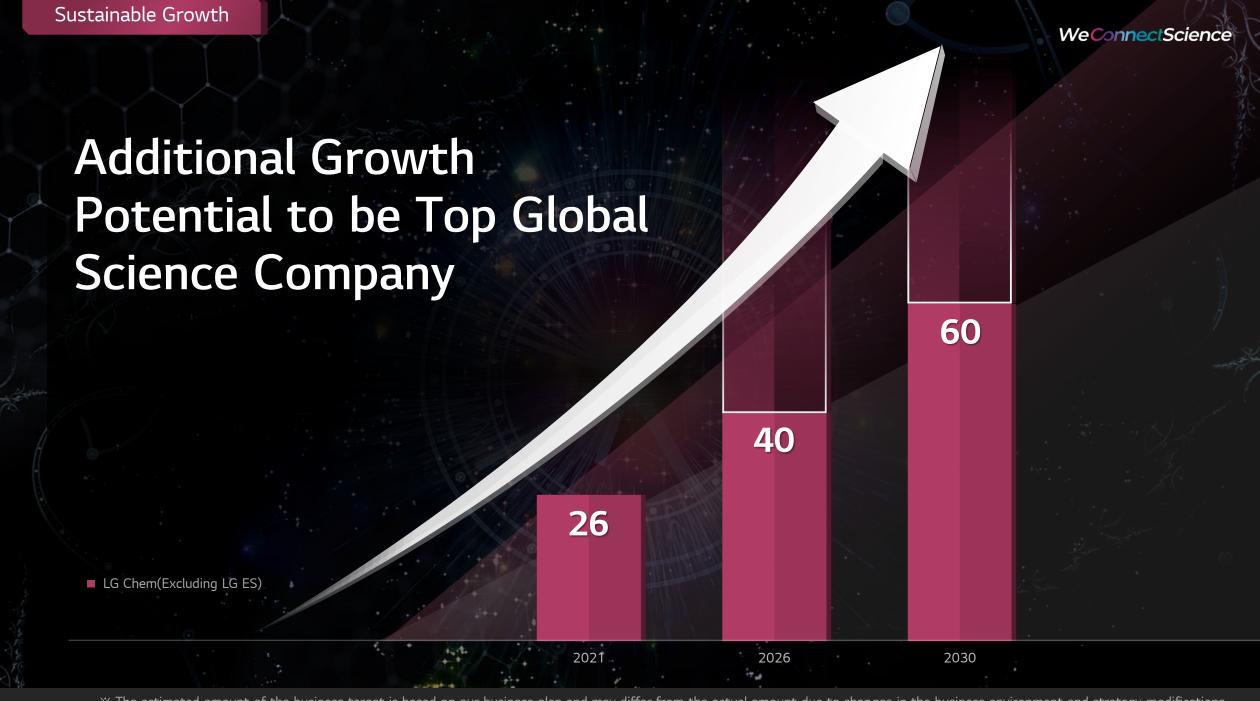
JV plan with ADM for PLA Business

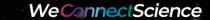


Sustainability Business

**Battery Materials** 

**Innovative New Drugs** 



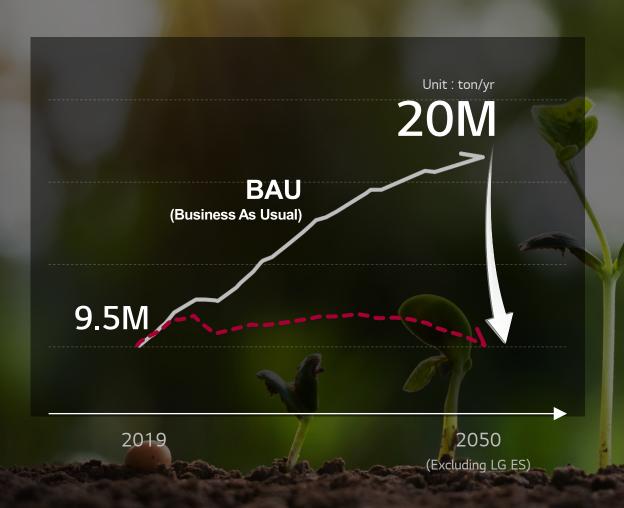


# LG Chem Towards Top Global Science Company

- Sustainable Growth
  - 3 Future Growth Driver
  - R&D Capabilities

Carbon Neutral Growth

#### Committed to Carbon Neutral Growth by 2050 (in July 2020)



10,000,000t



4.2M

Fossil Fuel Vehicles'
Carbon Emissions a year

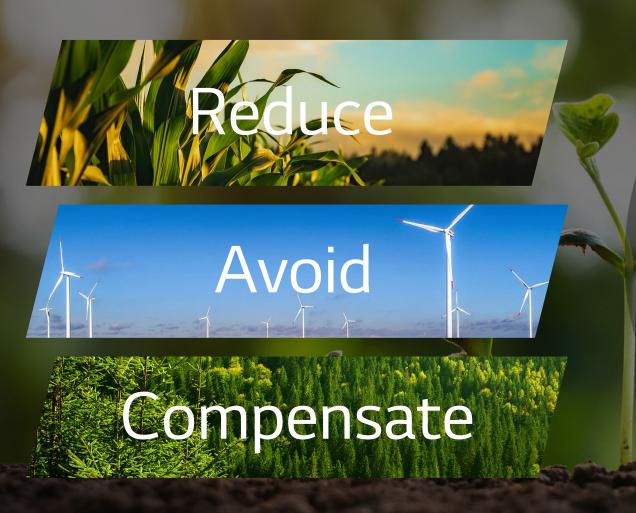
71M

Pine Trees

Carbon Neutral Growth

We nnectScience

#### Actions to Reduce Carbon Emissions



#### Life Cycle Assessment





#### Engaged with the World's Leaders

#### World Economic Forum



The First CEO of Korean Company

to Speak at WEF Davos Agenda Climate Session

#### The Alliance of CEO Climate Leaders

Largest CEO-led Climate Alliance In the World



119 Companies



12
Industries



2/Countries

The Only CEO Representing Korean Company

in the Alliance of CEO Climate Leaders

New Target : Net Zero

Unit: ton/yr

