

# EXXONMOBIL'S UNIQUE AND SUSTAINED APPROACH TO R&D

ExxonMobil recognizes the need for next-generation, lower-emissions solutions supported by sustained investment in research and development.

ExxonMobil employs 20,000 scientists and engineers, including more than 1,500 Ph.D.s. Their abilities drive the Company's research in areas such as developing new generations of catalytic and separation materials, novel low-energy processes, and improved means of CO<sub>2</sub> storage. The Company's scientists have written more than 1,000 peer-reviewed publications and received more than 10,000 patents over the past decade.

In addition, ExxonMobil collaborates around the world with more than 80 universities, five energy centers, and U.S. national laboratories. These collaborations have increased knowledge important to the energy transition, including fugitive methane emissions detection, modeling and optimization techniques to understand CO<sub>2</sub> storage, electrification of processes, biofuels, and energy systems models. ExxonMobil actively monitors a broad range of emerging lower-emission technology for future research opportunities and to improve understanding of likely transition pathways.

## CORE R&D CAPABILITIES

BIOLOGY DATA SCIENCE CLIMATE SCIENCE  
PRODUCT TECHNOLOGY GEOSCIENCE  
EMERGING TECHNOLOGY MATERIAL SCIENCE  
ENERGY MODELING PROCESS TECHNOLOGY  
ENGINEERING CHEMISTRY PHYSICS MATHEMATICS

## ENERGY CENTER COLLABORATIONS



## NATIONAL LABS

