EXXONMOBIL'S UNIQUE AND SUSTAINED APPROACH TO R&D

ExxonMobil recognizes the need for next-generation, lower-emission 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_2 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_2 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

Stanford Strategic Energy Alliance Precourt Institute for Energy
Princeton E-ffiliates Partnership EFFILIATES energy + environment + engagement
MITei MIT Energy Initiative
The University of Texas at Austin Energy Institute
SINGAPORE ENERGY CENTRE

NATIONAL LABS

NETL NREL NATIONAL RENEWABLE ENERGY LABORATORY INL