



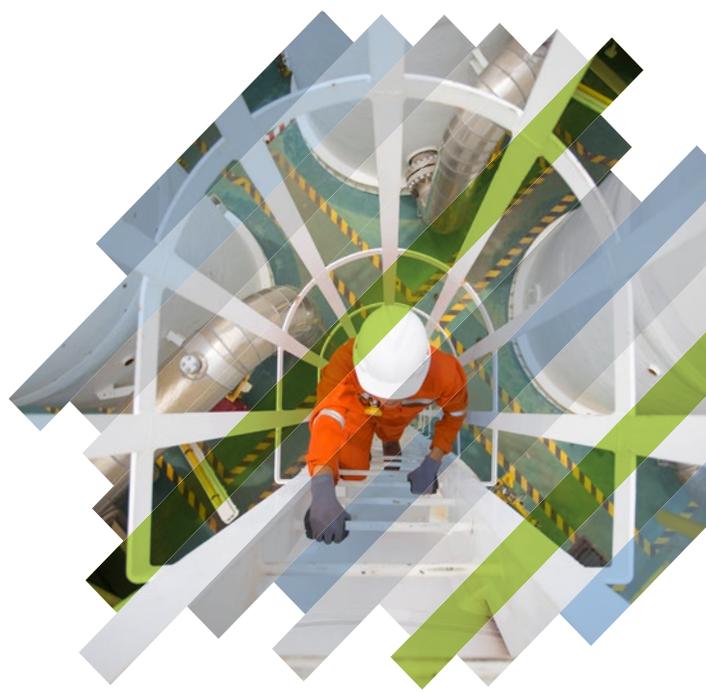
Talent | Technology | Trust™

Built on **talent, technology, and trust**, Grace is a **leading global supplier of specialty chemicals**.

Our two industry-leading business segments—Catalysts Technologies and Materials Technologies—provide innovative products, technologies, and services that enhance the products and processes of our customers around the world.

Through customer-driven innovation, strategic acquisitions, flexible worldwide manufacturing, and the talent of our people, we maintain strong strategic positions and unmatched customer relationships with many of the world's best companies. Over 80 percent of our sales were in segments where we are #1 or #2.

Grace is committed to delivering value, safely and sustainably, to customers, to shareholders, and to the communities in which we operate.



### No. 1 World Market Share

- FCC catalysts
- Hydroprocessing
- Hydrocracking
- Independent polypropylene process technology licensing
- Polyolefin catalysts
- Specialty silica gel

\* 2019 Sales

\*\* Unconsolidated ART® joint venture

## OUR BUSINESSES

### Polyolefin Catalysts and Licensing

Grace's worldwide polyolefin catalysts and process technology licensing business has assumed a global leadership position over the past decade. We offer our world-class customers the broadest and most technically advanced portfolio of polyolefin catalysts technologies that enable them to produce high-value, in-demand resins.

**\$705M\***

Polypropylene Catalysts  
Polypropylene Process  
Technology Licensing  
Polyethylene Catalysts  
Chemical Catalysts

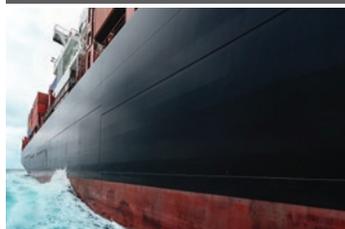


### ART® Hydroprocessing Catalysts

Our ART® Hydroprocessing catalysts technologies, provided through our joint venture with Chevron, are in high demand as the world moves to cleaner-burning fuels. A world-scale, state-of-the-art hydroprocessing catalysts manufacturing facility in our Lake Charles, LA complex opens in 2020.

**\$528M\*\***

Hydroprocessing Catalysts  
and Additives for Clean  
Fuels



### FCC Catalysts and Additives

Our Fluid Catalytic Cracking (FCC) catalyst customers—world-class refiners delivering fuels and petrochemical feedstocks—value Grace innovation as they seek to maximize their profitability, meet their sustainability objectives, and adjust their product mix to meet the demands of today and tomorrow.

**\$791M\***

FCC Catalysts and  
Additives for Traditional  
Fuels and Petrochemical  
Feedstocks



### Specialty Silica and Pharma Fine Chemicals

A global leader in specialty silica, our Materials Technologies business delivers silica-based and silica-alumina-based materials to world-class companies to improve their products and processes. Grace will open a new, state-of-the-art colloidal silica plant in 2020 at our manufacturing and R&D center in Worms, Germany.

**\$461M\***

Pharma/Nutra Ingredients,  
Processing Aids, and Fine  
Chemicals  
Coatings Ingredients  
Industrial Additives and  
Processing Aids  
Consumer Ingredients and  
Processing Aids





## Founded

1854

## Leadership

Hudson La Force  
President and Chief Executive  
Officer since November 8, 2018

## Stock Listing

NYSE:GRA

## Global Employees

4,000 employees in 30 countries

## 2019 Net Sales

\$2 billion\*, \*\*

## Global Customers

Customers in 60 countries;  
Approx. 72% of sales outside  
the U.S.

## Manufacturing

21 facilities in 10 countries  
1 in development

## R&D and Technical Service

11 facilities in 7 countries

## Patents

Over 1,100 patents worldwide;  
almost 600 pending

## Global Headquarters

W. R. Grace & Co.  
7500 Grace Drive  
Columbia, MD 21044 USA  
T + 1 410.531.4000

[grace.com](http://grace.com)

\* 2019 Sales

\*\* Unconsolidated ART® joint venture

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## MARKET-LEADING PRODUCT PORTFOLIO

### Grace Product

FCC catalysts  
Hydroprocessing catalysts  
Polypropylene catalysts  
Polyethylene catalysts  
Matting agents  
Fine chemicals  
Stabilizers  
Functional additives  
Purification  
Excipients  
Adsorbents  
Binders  
Antiblocking agents

### Common Application

Transportation fuels and plastics  
Diesel fuel and fuel oil  
Textiles, packaging, consumer goods, and medical devices  
Packaging film and molded containers  
Paint and wood coatings  
Pharmaceuticals  
Beer  
Toothpaste and cosmetics  
Edible oil and fats  
Pharmaceuticals  
Gas stream purification  
Catalysts  
Plastics



## A GROWING SUSTAINABILITY-DRIVEN PORTFOLIO

Sustainability has become dramatically more important to our customers, our investors, our employees, and to many other stakeholders.

Our own safety and environmental goals are simply stated: no one hurt, nothing out of place, and no harm from our products. Yet our focus on sustainability extends far beyond the walls of our manufacturing plants. We are making a strong contribution to our customers' sustainability objectives.

For decades, our technologies and technical services have been helping our customers achieve their product performance and manufacturing process goals. In fact, helping customers solve their problems is a core part of the Grace Value Model.

Today, more and more customers are asking us to help them achieve their sustainability objectives as well, and a significant portion of our sales comes from products specifically engineered to do just that. Our products and technical services help our customers improve process efficiency and reduce raw material requirements and emissions. Our technologies also help our customers reformulate products to comply with new, rising regulatory standards and customer health and wellness expectations.

In 2018, we noted that sales from our products that directly contribute to our customers' sustainability objectives totaled \$1 billion, or 38 percent of sales, including our ART joint venture. In 2019, that total increased approximately 10 percent to \$1.1 billion, or 44 percent of sales. We fully expect this total will continue to grow. In fact, over 65 percent of our current R&D activity is focused on new products for our sustainability portfolio and our top three growth capital investments are dedicated to these products.

We focus on sustainability through operating excellence, continually tracking progress toward our goals of no one hurt, nothing out of place, and no harm from our products. The discipline of continually improving the efficiency and performance of our manufacturing and integrated supply chain is deeply embedded in our culture and annual operating plans.

In 2019, Grace earned a 2019 Ecovadis Gold Rating for Corporate Social Responsibility.

