

## Market Report

# Global Catalyst Market

### Third Edition

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## Abstract

Benefiting from rapid growth in automotive and chemical industry overall, catalyst market experiences over average growth as well. Global demand on catalysts was valued at US\$33.5 billion in 2014 and will witness robust growth in the next years.

To meet growing market demand, heavy investments have been made or planned for construction of new manufacturing facilities in both developed regions and developing regions. Driven by higher precious metal prices and limited rare-earth supply, global leading catalyst producers are also investing significantly in research and development of new products, processes and technologies.

With environmental regulations, rising raw material prices, heavier feedstocks and call for green chemistry as driving forces, catalyst industry presents a dramatically changing market with opportunities and risks.

Acmite Market Intelligence has finished the latest update of the report on global catalyst market. It is ready for order.

The report examines the current products and application areas, provides extensive market data of 2014, and market forecast through 2018 to 2023. It also outlines the competition landscape, evaluates market chances and risks and anticipates future trends based on a series of influence factors.

- 218 pages analyzing the market
- 60 figure tables
- 270 catalyst manufacturers profiled

With a multi-dimensional and in-depth view of global catalyst market, this report is ideal help for you with decisions about international market penetration, business expansion or project feasibility analysis.

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### **Note:**

Regions:

North America: US, Canada, Mexico (NAFTA region)

Asia Pacific: Countries of Asia, Australia, New Zealand

Asia Pacific\*: Asia Pacific excluding Japan

## 2.8 Industrial importance of catalyst

The production of 80 percent industrially important chemicals involves catalysis. Catalysis is of paramount importance in the chemical industry.

- Catalysts are involved in more than USD 10 trillion in goods & services of the Global GDP annually
- Catalyst industry contributes around 2% of total investment in a chemical process
- Catalyst make chemical processes possible and more efficient
- The use of catalyst in chemical processes contributes to environmental preservation
- The key factor for sustainable development of industrial society

Catalyst is a road to environmentally friendly green chemistry

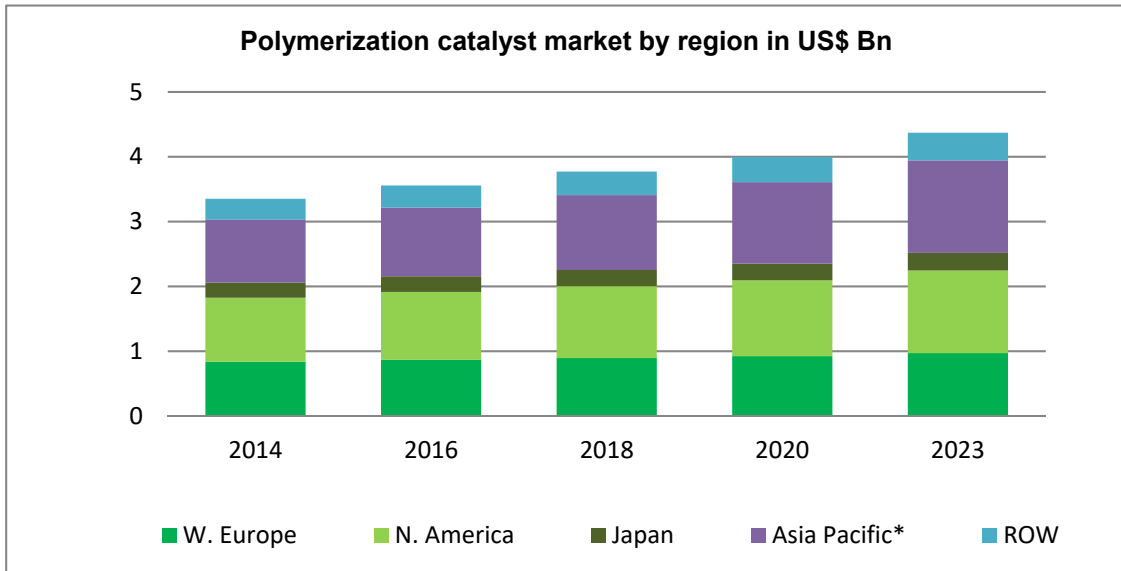
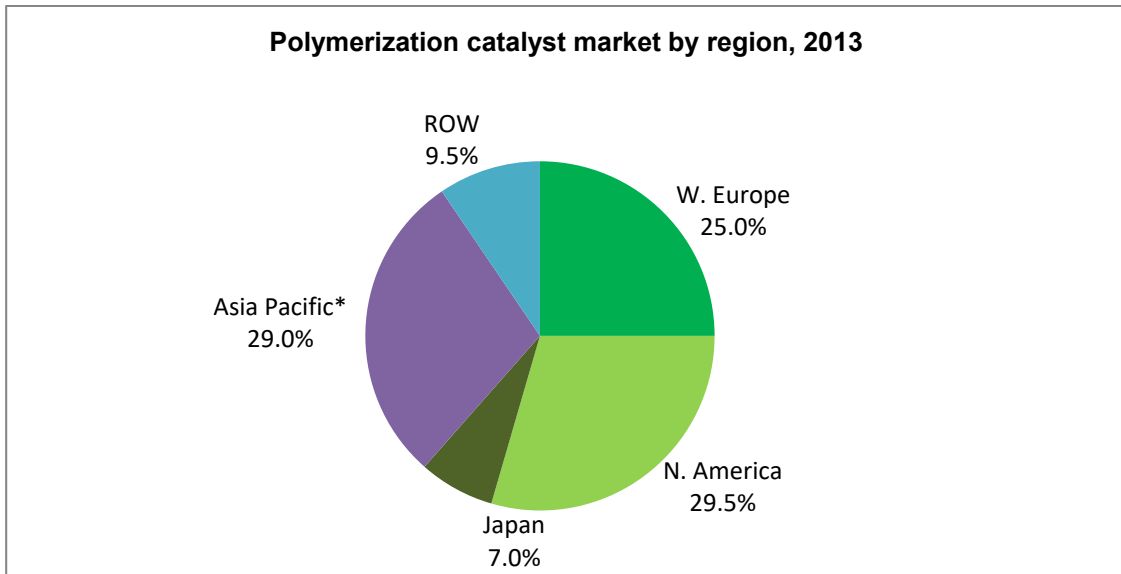
- Chemical processes with catalysts require lower energy input
- Catalysts decrease use of processing and separation agents
- Catalysts allow the use of less toxic materials
- Increase in selectivity aided by catalysts lead to increase in product quality and operating profit
- The use of environmental catalyst purifies industry and automotive exhaust

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### 6.2.4 Polymerization catalyst market by region

Polymerization catalyst market by resin in US\$ Bn

	2014	2016	2018	2020	2023	CAGR
W. Europe	0.84	0.87	0.90	0.92	0.97	1.8%
N. America	0.99	1.05	1.11	1.17	1.27	3.0%
Japan	0.23	0.24	0.25	0.26	0.27	1.7%
Asia Pacific*	0.97	1.06	1.15	1.25	1.43	4.5%
ROW	0.32	0.34	0.36	0.39	0.43	3.5%
Total	3.35	3.56	3.77	3.99	4.35	3.0%



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## 6.5 Environmental catalyst

### 6.5.1 Products and processes

Environmental protection and sustainable development is now a worldwide concern. Environmental catalysis is valued as an efficient aid to address the ever severe environmental problem. The development of innovative environmental catalysts is also the crucial factor towards the objective of developing a new sustainable industrial chemistry..

Environmental catalysis has continuously grown in importance over the last 2 decades not only in terms of the worldwide catalyst market, but also as a driver of advances in the whole area of catalysis.

The traditional area of environmental catalysis includes

- NOx removal from stationary and mobile sources,
- VOC conversion

New areas include:

- Catalytic technologies for liquid or solid waste reduction or purification
- Use of catalysts in energy-efficient catalytic technologies and processes
- Reduction of the environmental impact in the use or disposal of catalysts
- New eco-compatible refinery, chemical or non-chemical catalytic processes
- Catalysis for greenhouse gas control
- Use of catalysts for user-friendly technologies and reduction of indoor pollution
- Catalytic processes for sustainable chemistry
- Reduction of the environmental impact of transport

... ..

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<http://www.borealisgroup.com>

Year of foundation: 1994

Number of employees: over 6,200

Revenue 2013: EUR 8,144 million

### **Company profile**

Borealis AG, a subsidiary of IPIC Beta Holdings GmbH, was originally created in 1994 as a polyolefins joint venture between Finland's Neste and Norway's Statoil. The company specializes in providing chemical and plastics solutions for a wide range industries including energy & infrastructure, engineering, automotive, and packaging & fibre.

Borealis operates primarily in two segments:

- Polyolefins: The company offers polyolefin compounds for the global wire and cable industry, delivering effective solutions that are widely applied in low, medium, high and extra-high voltage energy transmission and distribution cables, in data and communication cables as well as in building and automotive wires and cables. It also polyolefin plastics for engineering applications in the automotive industry and for household appliances. In addition,

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