



Discover the world of petrochemicals

The advances of chemistry depend on products such as ethylene, propylene, butadiene and benzene. These are the raw materials of the petrochemical industry, which turns them into products used in 95 % of all manufactured goods.

Petrochemicals enhance product lifecycles and increase the durability, flexibility and convenience of products, making materials more lightweight and efficient. Such innovations may be found in renewable energy, such as windmills and solar panels, insulation materials, healthcare, protection and safety, long lasting infrastructures used in construction and many more.

The Petrochemicals Europe flowchart traces the main steps from raw materials and feedstocks through to petrochemical products, their derivatives and everyday products. Only a few of these are featured here, along with their end applications, as they are too numerous and their processes too complex.

The flowchart has been produced by Petrochemicals Europe, the voice of the European petrochemical industry. Petrochemicals Europe is an essential forum for anybody with an interest in our industry, ie regulators, legislators, press, scientific and educational communities, financial experts and consumers' organisations. Petrochemicals Europe brings together about 70 member companies and is part of Cefic, the European Chemical Industry Council. © 2023, Petrochemicals Europe, All Rights Reserved

But there is much more to petrochemicals.

Visit www.petrochemistry.eu, the gateway to the world of petrochemicals online. And take a tour of our interactive flowchart on www.petrochemistry.eu/flowchart.

Choose and click on the petrochemical product of your choice and its derivatives to find your way on the path from raw materials to everyday products.

We'll be happy to send you additional copies of this flowchart and receive your feedback or answer your questions.

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Flowchart poster

Discover the path from raw materials to everyday products

Infrastructure & collaboration are essential for innovation: Petrochemicals companies work together on projects of common interest

> Port of Rotterdam, **project Porthos**: aims to collect emissions from multiple factories and refineries and storing them in empty gas fields in the North Sea;

> Port of Antwerp, **Project Antwerp@C**: 7 leading chemical and energy companies to investigate the technical and economic feasibility of building CO₂ infrastructure to keep CO₂ out of the atmosphere by capturing, utilising or storing it;

> More Carbon Capture and Storage (CCS) projects: **Kairos@C**, Belgium/Netherlands/Norway; **SHARC**, Finland; **Greensand**, Denmark; etc.



Petrochemicals industry on its journey towards sustainable future

How are petrochemical companies bringing innovation to their industrial processes today? What is the future of Europe's most energy-efficient and technologically advanced chemical complexes?

Learn more with concrete examples shown on our website www.petrochemistry.eu:

> Consortium "Cracker of the future"

> BASF, Sabic, Linde "Cracker Electrification Pact"

> INEOS "Project One"

> PKN ORLEN new Olefins Complex III Cracker

> And more



WE BUILD THE FUTURE



PETROCHEMICALS ARE CONTAINED IN 95% OF ALL MANUFACTURED GOODS

