



SHELL USES PLASTIC WASTE TO PRODUCE CHEMICALS

Nov 21, 2019

Today Shell announced it has successfully made high-end chemicals using a liquid feedstock made from plastic waste. The technique, known as pyrolysis, is considered a breakthrough for hard-to-recycle plastics and advances Shell's ambition to use one million tonnes of plastic waste a year in its global chemicals plants by 2025.

About Cookies On This Site

We use cookies to personalize and enhance your experience on our site. Visit our [Privacy Policy](#) to learn more or manage your personal preferences in our [Cookie Consent Tool](#). By using our site, you agree to our use of cookies.

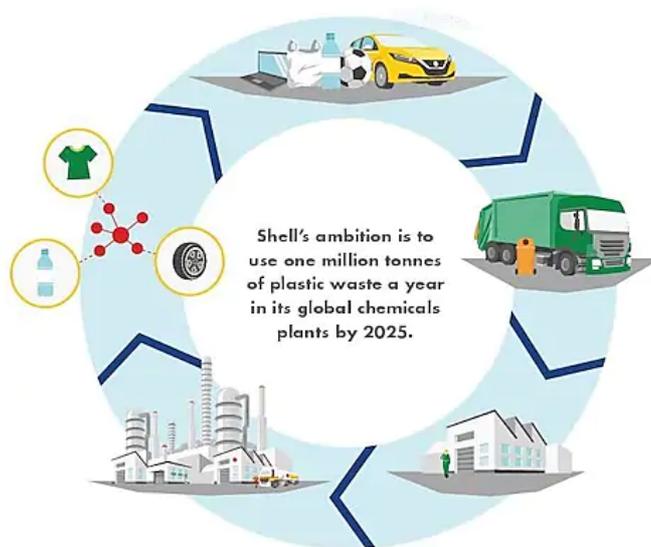
Accept

“This makes sense for the environment and our business,” said Thomas Casparie, Executive Vice President of Shell’s global chemicals business. “We want to take waste plastics that are tough to recycle by traditional methods and turn them back into chemicals – creating a circle. These chemicals will meet our customers’ growing demands for high quality and sustainable products.”

Atlanta-based **Nexus Fuels LLC** recently supplied its first cargo of pyrolysis liquid to Shell’s chemical plant in Norco, Louisiana, USA where it was made into chemicals that are the raw materials for everyday items. Shell is working with multiple companies who collect and transform plastic waste in order to scale this solution to industrial and profitable quantities across its chemicals plants - in Asia, Europe and North America.

Shell is a founding member of the Alliance to End Plastic Waste (AEPW). This not-for-profit organisation is bringing together top minds from across the plastics value chain (chemical and plastic manufacturers, consumer goods companies, retailers, converters and waste management companies) and partnering with the financial community, governments and civil society. The AEPW has committed \$1.5 billion over the next five years to help end plastic waste in the environment.

Shell is also working with its retail, business fuels and lubricants customers to help reduce, reuse and recycle plastic packaging.



Enquiries:

James.Forth@Shell.com

About Cookies On This Site

We use cookies to personalize and enhance your experience on our site. Visit our [Privacy Policy](#) to learn more or manage your personal preferences in our [Cookie Consent Tool](#). By using our site, you agree to our use of cookies.

Accept

mechanical recycling process of melting as it does not degrade the quality of the final plastic and requires less intensive sorting of the initial waste.

About Shell

- Shell makes chemicals that support modern life. It may not be obvious, but they are used in thousands of products people use every day - from furniture, medical equipment, clothes and refrigerators, to computers and smart phones. Window frames, pipes, roofing, mattresses, vehicle parts and tyres. Packaging, shampoos and fertilisers. These products contribute to society's ability to live, work and play.
- Shell manufactures base chemicals - ethylene, propylene and aromatics – using oil and gas as feedstock. We also make intermediates, such as mono ethylene glycol (MEG), polyols and alpha olefins, and certain performance products, such as polyethylene.
- Shell's global chemicals business sells around 18 million metric tons of petrochemicals per year to over 1000 industrial customers.
- Shell's world-class integrated refining and chemicals plants are in Asia-Pacific (Singapore), Europe (the Netherlands), and North America (the US Gulf Coast and Canada).
- Shell operates three major petrochemical facilities in the USA at Deer Park, Texas; Norco and Geismar in Louisiana; and additional chemicals manufacturing in Canada at Scotford and Sarnia.

About Cookies On This Site

We use cookies to personalize and enhance your experience on our site. Visit our [Privacy Policy](#) to learn more or manage your personal preferences in our [Cookie Consent Tool](#). By using our site, you agree to our use of cookies.

Accept

“Shell’s chemical plants around the world” refer to multiple companies that are part of the Shell Group that are engaged in chemical or related businesses. Each of the companies that make up the Shell Group of companies is an independent entity and has its own separate identity

- For more details, visit www.shell.com/chemicals.

To download a supporting graphic please [click here](#). (JPG, 51 kB) 

More information can be found in the video and animation.

Plastic Waste To Chemicals



Plastic Waste to Chemicals

[Read the transcript](#)

About Cookies On This Site

We use cookies to personalize and enhance your experience on our site. Visit our [Privacy Policy](#) to learn more or manage your personal preferences in our [Cookie Consent Tool](#). By using our site, you agree to our use of cookies.

Accept



About Shell chemicals

Shell companies first entered the chemicals industry in 1929, via a partnership in the Netherlands called NV Mekog, which manufactured ammonia from coke-oven gas.



News and Media Releases

Shell Chemicals News and Media Releases

About Cookies On This Site

We use cookies to personalize and enhance your experience on our site. Visit our [Privacy Policy](#) to learn more or manage your personal preferences in our [Cookie Consent Tool](#). By using our site, you agree to our use of cookies.

Accept