

**PRESS RELEASE****AMI predicts a positive future for Global Chemical Recycling sector**

AMI, Bristol 03/09/2020 – AMI Consulting has published its brand-new report on the global Chemical Recycling industry. The report provides a comprehensive view of the current status of chemical recycling of commodity polymers, market drivers, growth dynamics as well as a forecast for future development.

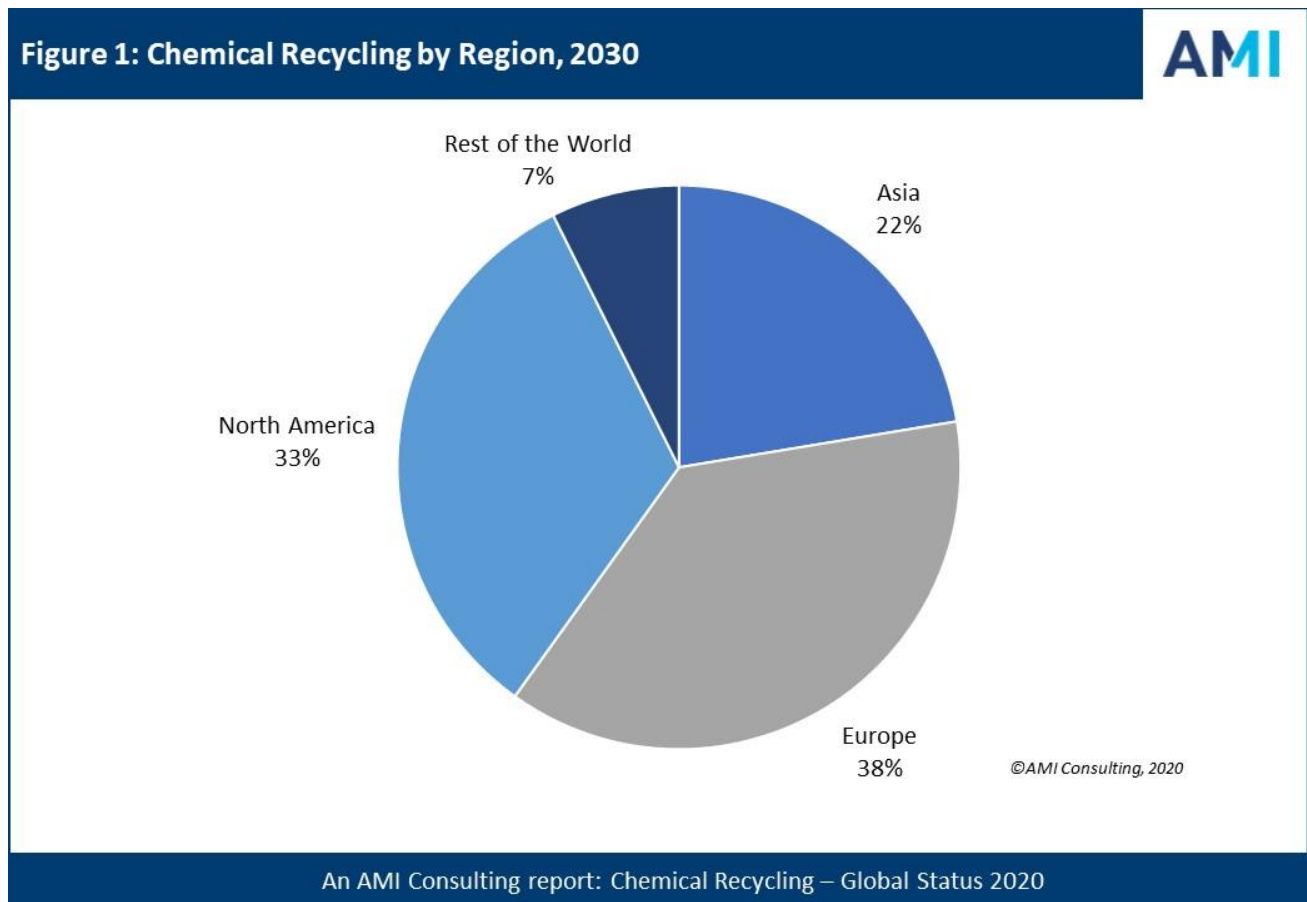
The amount of plastic waste in the environment has become a major concern for both regulators and the general public. There has been a huge drive towards sustainability and the ‘circular economy’ in recent years. Legislative measures are being introduced to curb the plastic waste production and to include more recycled content into everyday products, with Europe leading the way. Significant volumes of waste had been exported to China, until in 2018 China introduced its National Sword policy, which effectively banned the import of plastic waste, leaving many nations without a destination for their plastic waste. In addition, many brands are proactively looking to include more recycled content on their packaging.

Recycling technologies currently in operation, largely based on mechanical recycling, are not suited to processing a significant portion of post-consumer waste. Emerging chemical recycling technologies are, however, capable of addressing this fraction.

AMI Consulting estimates, that global plastic post-consumer waste volumes were 215m tonnes in 2019, of which just over 10% was recycled. Chemical recycling of plastics is a promising approach to meet the recycling targets, and to introduce a circular economic model to plastics manufacturing. With chemical recycling, the plastic material can be turned back into a polymeric feedstock. Chemical recycling enables the recycling of plastic materials that cannot currently be mechanically recycled, including contaminated, multi-layer and mixed plastics. Compared with landfilling, chemical recycling is the superior environmental option. There is undoubtedly a space in the waste hierarchy for chemical recycling to occupy.

Chemical recycling operations are now being developed across the world. Most are currently either laboratory or pilot scale, although a number of industrial scale facilities will come on stream in the next few years. AMI Consulting has grouped chemical recycling operations into four technologies: depolymerisation, dissolution (solvent-based purification), gasification and pyrolysis. Recycling based on dissolution is technically a physical process as the polymer chain remains intact throughout.

A number of companies are investigating each technology. Major projects are already underway in Europe and North America, and going forward, Asia is also expected to gain a substantial market share, with developments tending to be a few years behind Europe and North America. With such momentum, chemical recycling will establish itself as a significant technology by 2030.



AMI Consulting’s study [Chemical Recycling – Global Status 2020](#) quantifies the global market for chemical recycling in terms of the amount of plastic waste chemically recycled by region, polymer and technology through to 2030. It also quantifies the amount of post-consumer plastic waste potentially available for chemical recycling. Key trends and various factors affecting the market are discussed in depth, and the activities of main players currently active in the market reviewed.



Applied Market Information Ltd  
Third Floor, One Brunswick Square, Bristol, BS2 8PE, United Kingdom  
T / +44 (0) 117 924 9442  
F / +44 (0) 117 311 1534

The study is relevant to all those seeking to better understand chemical recycling, from resin producers through to brand owners/end users of plastic products and regulators. The report delivers a comprehensive assessment of the current industrial situation and forecasts future developments of the sector.

**FURTHER INFORMATION:**

Name: Hanne Jones  
Tel: +44 (0)117 924 9442  
E-mail: [Hanne.Jones@ami.international](mailto:Hanne.Jones@ami.international)

**About AMI:**

We are the leading provider of [information](#), [market intelligence](#) and [conferences](#) for the global plastics industry. Our business is underpinned by our talented staff and our unique databases. Our Consultants, Researchers, Writers and Event Organisers include many of the most respected experts in their fields.

We can help you grow your business by identifying exciting market opportunities, new customers and innovative technologies from our intimate understanding of the global plastics processing industry, knowledge of how the markets have changed and where they are heading.

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