



## Ardagh Metal Packaging

# Beverage cans are a Circular Economy

Ardagh Metal Packaging (AMP), consisting of 5,800 teammates across 24 global production facilities in the Americas and Europe, produces a model of “circularity,” the infinitely recyclable aluminum beverage can.

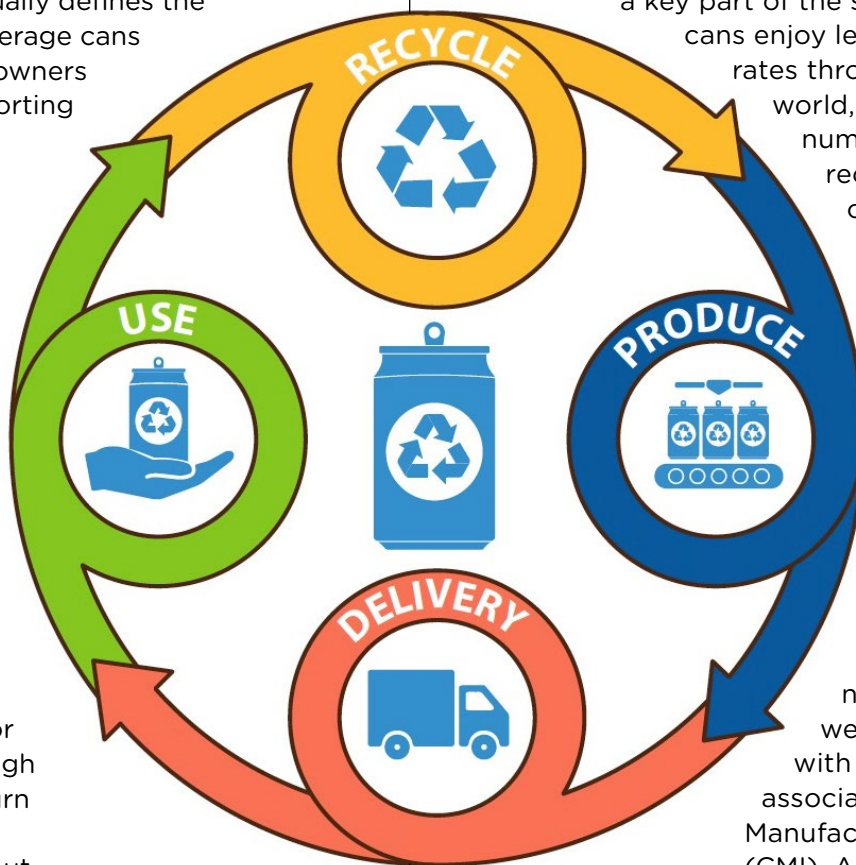
In fact, circularity actually defines the infinitely recyclable beverage cans AMP creates for brand owners around the world, supporting our customer’s own sustainability platforms targeting emissions reductions and higher recycle rates.

An explanation — some packaging materials become degraded during recycling resulting in quality being lost during the process. This is known as an ‘open loop’ material cycle. Metal packaging is recycled by melting processes and can be re-used for packaging or other applications, though most recycled cans return to store shelves in their original form within about 60 days. This process is referred to as a ‘closed loop’ material cycle, as the material can be recycled infinitely without loss of quality or functionality.

## Leading recycle rates show circularity potential

Recycling rates and recycled content rates tell a key part of the story. Beverage cans enjoy leading recycling rates throughout the world, already meeting numerous proposed recycling rate objectives explored by Europe and the US.

Clearly, increased use of and recycling of metal packaging can be a cornerstone of a Circular Economy and strong step forward in achieving carbon neutrality. In fact, we work closely with our metal trade associations, such as Can Manufacturers Institute (CMI), Abralatas and Metal Packaging Europe (MPE) to increase metal packaging recycling rates and recycled content to ensure we provide our customers with a truly circular solution.



*The aluminum beverage can is a model of circularity. While the can already enjoys leading recycle rates around the world (97% in Brazil; 75% in Europe and 56% in the US), most recycled cans are actually turned into new cans.*

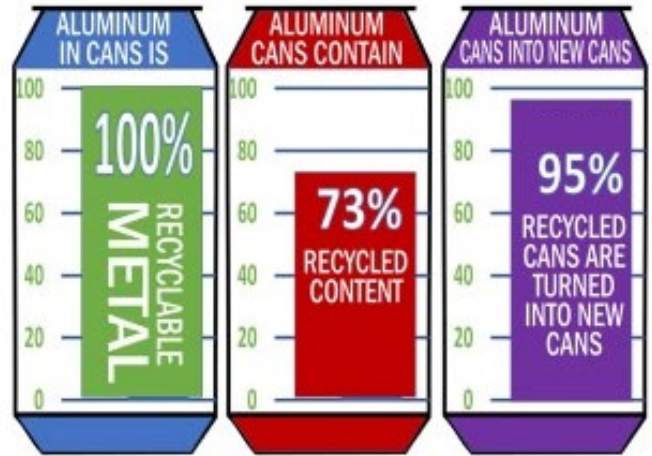
# Leveraging leading recycle rates to drive circularity

Proof of beverage can circularity is in the data. But not only in recycle rates but in actual emissions across the entire manufacturing process. This is why we team with our industry associations to conduct periodic Lifecycle Assessment (LCA) studies, conducted by an outside third-party organization, to determine emissions efficiencies based on regional averages. For example, in April of this year, our MPE trade association announced the following LCA results from the time period of 2006-2018:

- The industry has reduced can weights, or amount of aluminum used per average can, by 2%.
- The industry has reduced emissions by approximately 50% in this timeframe.
- The LCA confirmed that by manufacturing cans from recycled aluminum, the industry saves 60% emissions across the manufacturing process.

And in the US, CMI conducted a Key Performance Indicator (KPI) study making the connection between recycle rates, recycled content and true circularity. The study, announced in November of last year, confirmed these key data points:

- 73% recycled content in the average beverage can, more than triple the amount of any other pack type.
- 95% “Closed-loop Circularity Rate,” which means the percentage measure of recycled material that actually goes back into the same product.
- Aluminum value in recycling streams is almost five times the value of other main beverage pack types. The value of the aluminum often provides the main funding to keep recycling facilities operational.



# Leveraging a Circular Economy toward net zero emissions

AMP is strengthening our industry’s efforts to further position the beverage can as the answer for a Circular Economy by exploring all avenues to reduce emissions, waste, water, while moving to renewable energy. In fact, our sustainability

strategy clearly articulates a path toward carbon neutrality as detailed in the company’s recent 2021 Sustainability Report (link at bottom of next page). These targets are organized across our three pillars of **Emissions, Ecology** and **Social** accordingly:



# World-class ratings underline AMP commitments

AMP consistently focuses on driving understanding across our customers and stakeholders of the sustainability excellence of our company and the products we make.

We are currently in the process of conducting our own LCA across our global operations. This study will be informing and complementing our steps toward Aluminum Stewardship Initiative (ASI) certification.

This is just one of many third-party accreditations the company has embarked on. For example, in 2019, Ardagh became a signatory to the UN Global Compact which is focused on positive advancements in

human rights, labor, the environment and anti-corruption. We are proud to be one of the only metal packaging suppliers who have made this commitment. We are dedicated to engaging in collaborative

projects which advance the broader development goals of the UN, particularly the Sustainable Development Goals (SDGs). The SDG's are a set of goals to end poverty and protect the planet. They cover a broad range of social and economic development issues such as hunger, education,

climate change, water, energy and the environment.

Further, we track, monitor and measure our sustainability progress to ensure we deliver on commitments through the SBTi, a project that aims to encourage corporate climate action for a low-carbon economy. By committing to the initiative, we have positioned the organization toward the reduction in GHG emissions on an annual basis, and, ultimately, alignment with the Paris Agreement of 2015 of net zero emissions by 2050.

Our efforts are being recognized. In 2021, the *Financial Times* (FT) published its inaugural listing of European companies that have made strong

strides in reducing their GHG emission intensity between 2014 and 2019. Ardagh was proud to be listed amongst 300 companies in FT's "Europe's Climate Leaders 2021."

And in January of this year, the Carbon Disclosure Project

(CDP) awarded Ardagh Leadership Class ratings for sustainability across a number of categories with an overall grade of A-, while EcoVadis, an independent sustainability rating platform, awarded its gold certification for sustainability results to Ardagh for the sixth straight year.

Sedex



A-

Climate Change

A-

Water Management

A

Supplier Engagement



We clearly have a very positive future ahead for our company and the product we make. And we look forward to extending our business, social and environmental leadership as AMP remains at the forefront of supporting a Circular Economy and helping strengthen the sustainability platforms of our brand customers around the world."

Oliver Graham - AMP CEO

## AMP Sustainability Report

Every year AMP reports on its sustainability advancements. Please access the latest report detailing AMP strategies, objectives and progress at: [www.ardaghmetalpackaging.com/pdf/sustainability-report-2021](http://www.ardaghmetalpackaging.com/pdf/sustainability-report-2021)