Metal Packaging Europe

**SUSTAINABLE** DEVELOPMENT

We support the Sustainable Development Goals

**Decrease** in the amount of water used to produce each unit decreased by almost 12%

> between 2015 and 2020.

### Read more at:

www.ball.com/sustainability/sustainability-strategy



**Reduction** in the amount of water consumed by can washers of

between 2012 - 2020. as a result of improvements made to the design of can washer machines.

Read more at: www.ball.com/sustainability/ sustainability-strategy





2030 target to reduce water consumption by

New nozzle installations are underway to contribute to this reduction.

Read more at: www.triviumpackaging.com/sustainability Water is used for forming, washing, rinsing and cooling in the beverage can manufacturing process. However, water is also one of the world's most essential natural resources and, in many parts of the world, it is becoming increasingly scarce. We feel that it is therefore crucial that can makers take measures

to ensure that water is used responsibly.



Some noteworthy examples supporting this sustainable development goal

> Share your initiatives with us! info@metalpackagingeurope.org

### 2030 target to reduce water consumption by

20%

Read more at: www.ardaghgroup.com/corporate/ sustainability

ArdaghGroup

2025 target to reduce water consumption by

Read more at: www.canpack.com/sustainability/ sustainability-future/





# 88888 66666

Aim to **decrease** water usage in its global operations **by** 



between 2019 and 2025.

#### Read more at:

www.crowncork.com/sustainability/ twentyby30-goals/resource-efficiency

CROWN



Aim to **replenish** 

100%

of water consumed in operations in areas where the risk of water scarcity is high by 2030, as part of the Resource Efficiency goals in the Twenty by 30 Global holistic Sustainability programme.

#### Read more at:

www.crowncork.com/sustainability/ twentyby30-goals/resource-efficiency

#### CROWN





Use of heat generated during the can-manufacturing process to heat the entire building since 2019.

The heat is also transformed into **cool** water, which is used to cool production machines and the administration building as needed.

Read more at: www.baelz.de



LED lighting covers

of shop floors, with the objective to reach 100% by the end of 2024. This transition will reduce electricity demand for lighting by 90%. 100% of UK plants are already supplied with renewable electricity.

Read more at:

www.eviosys.com/sustainability



Kettering greenfield plant became the largest aluminium beverage can plant in the United Kingdom when it opened in February 2023. It also became a model for future greenfield plants.

The plant includes heat capture from RTO systems for offices on site, a solar water heating system for the domestic water supply, a rainwater recovery system that feeds into toilet facilities, automatic on/off on all plant LED lighting and 20 electric car chargers for employees.

#### Read more at:

www.ball.com/sustainability/ sustainability-strategy



Read more at: www.ardaghgroup.com/corporate/sustainability

emissions by 28,000 tonnes.



Metal

Packaging Europe

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**SUSTAINABLE** 

DEVELOPMENT

Improving resource efficiency has numerous benefits both for industry and society. It not only reduces our dependence on the world's limited resources, but it also helps to reduce waste and ensure that we can achieve more with less. In the metal packaging industry, increased resource efficiency is achieved through a combination of innovative product development, inventive policy ideas and new technologies.



## Some noteworthy examples supporting this sustainable development goal

Share your initiatives with us! info@metalpackagingeurope.org

Reduction in weight of 33cl cans by

renewable energy by 2030. Read more at:

www.ardaghgroup.com/ corporate/sustainability

Targeting the use of

ArdaghGroup 🔗



Source renewable electricity by 2030 and

100%

by 2040.

Read more at: www.crowncork.com/sustainability/ twentyby30-goals/resource-efficiency







facilities.

3.3 million hectolitres of water and cut CO2

across the majority of production

This innovation has now been extended to

44cl and 50cl cans, with the potential to save

#### Securing CO2 savings of around



across European plants by optimising enegy use between 2015 and 2020.

This included providing surplus energy generated in can production to heat the homes of around 1000 people in the local community of Odense.

#### Read more at:

www.envases.mx/en/packagingolutions/pet-packaging/ sustainability

**ENVASES** 

A heat exchanger installed in 2022 captures clean, hot air from the Regenerative Thermal Oxidiser (RTO) in the French Moëlan-sur-Mer plant and reuses it for lacquering processes. The project has achieved an estimated energy reduction of 500 MWhper year

A new plant in Heerenveen, designed with sustainability as a priority,

became operational in 2022. The plant uses geothermal heating, sensor lighting and green electricity. Excess warmth during the summer period is stored deep underground and can later be transferred to the plant in the winter.

> Read more at: www.triviumpackaging.com/sustainability

> > TRIVIUM

Heat exchanger installed in the aluminium can plant in Hämeenlinna, Finland, has reduced the amount of energy needed to heat the building by about 30%.

> Read more at: https://www.canpack.com



2025 targets to reduce electricity consumption by

> and thermal energy consumption by

Read more at: https://www.canpack.com



CP

Metal Europe

**SUSTAINABLE** DEVELOPMENT Packaging

We support the Sustainable Development Goals

Waste and food waste in particular are global problems. both types: not only is metal an infinitely recyclable packaging material, but it also provides an impenetrable barrier that helps to keep food fresh for longer.

The metal packaging industry is ideally placed to help reduce

CONSUMPTION

AND PRODUCTION

Some noteworthy examples supporting this sustainable development goal

> Share your initiatives with us! info@metalpackagingeurope.org







for aluminium beverage cans and

Metal packaging has

recycling rates in Europe:

some of the highest packaging

Read more at:

**ENVASES** 

for steel packaging in 2030

2030 target to send zero waste from our operations to landfill and reduce packaging material use by making aluminium and steel **cans** 

At Envases Skive plant in Denmark, technical material waste is sorted and

internal recycling centre, to optimize it for

consumption in the production of new cans.

recycling at the aluminium supplier.

an important part of the aluminium

pressed into AluCubes in their

The AluCubes come **back as new raw material** that represent

www.envases.mx/en/packaging-solutions/pet-packaging/sustainability



Read more at:

www.crowncork.com/sustainability/ twentyby30-goals/resource-efficiency

CROWN

Targeting zer waste to landfill by 2025.



Read more at: www.ardaghgroup.com/ corporate/sustainability

ArdaghGroup



One way to reduce waste generation is to ensure that resources and materials remain in the economy for as long as possible. Metal is infinitely recyclable with no loss of quality, making it a key contributor to the circular economy.



www.ball.com/sustainability/sustainability-strategy

Bal

By using food cans, we can reduce individual food waste by almost



Reduction in annual CO2 emissions of

between 2018-2020, as a result of efficient and reduced energy and material use.

> Read more at: www.blechwaren-limburg.de



Implemented work processes and waste management plans to provide guidance on how to reduce, recycle and reuse waste and set internal reduction targets for waste reduction and recycling. The overall 2025 targets for the aluminium can business include reducing waste generation by 5% and achieving a 94% waste recycling rate (baseline: 2019). The overall goal is zero waste to landfill.

> Read more at: www.canpack.com/sustainability/sustainability-future/





g **SUSTAINABLE** DEVELOPMENT **G**ALS

We support the Sustainable Development Goals

Reducing greenhouse gas emissions, increasing reliance on renewable energy sources and supporting efforts to increase already high metal packaging recycling rates are all areas in which the metal packaging industry is active in the fight against climate change.



# Some noteworthy examples supporting this sustainable development goal

Share your initiatives with us! info@metalpackagingeurope.org

> In Austria, around **5300** solar panels installed across 15.000m2 of roof space will generate **1,800,000 kWh** of energy and allow this plant to operate on close to 100% green energy.

Read more at: www.silgan.com

Silgan



2030 targets a

50%

combined reduction in absolute Scope 1 (fuel) and Scope 2 (electricity) emissions.

#### Read more at:

www.crowncork.com/sustainability/ twentyby30-goals/resource-efficiency





100%

**renewable energy** in **all** 23 **EMEA** beverage can plants.

Read more at: www.ball.com/sustainability/ sustainability-strategy



2030 target to have all manufacturing plants running on 100% renewable electricity. Installation of solar panels at different sites to support this goal.

Read more at: www.triviumpackaging.com/sustainability



**renewable energy** now used in all manufacturing locations across Spain and the UK.

Read more at: www.triviumpackaging.com/sustainability





In 2022 made a strategic decision to run

of plants on electricity achieved primarily through the purchase of SBTi-approved certificates.

> Read more at: www.canpack.com/sustainability/ sustainability-future/

