Metal Packaging Europe

SUSTAINABLE DEVELOPMENT GOALS

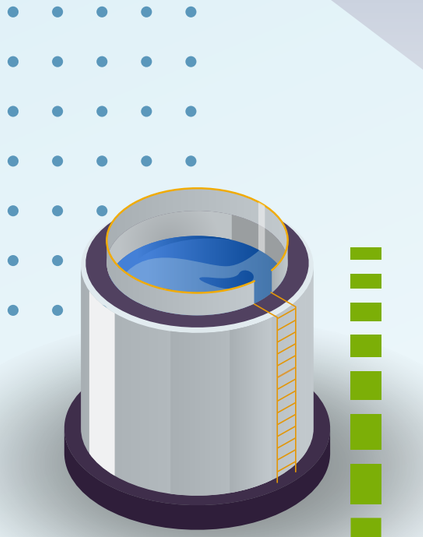
We support the Sustainable Development Goals

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.

6 CLEAN WATER AND SANITATION

Some noteworthy examples supporting this sustainable development goal

Share your initiatives with us!
info@metalpackagingeurope.org

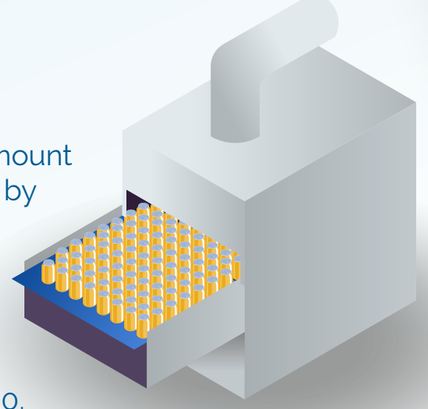


Decrease in the amount of water used to produce each unit decreased by almost

12%

between 2015 and 2020.

Read more at:
www.ball.com



Reduction in the amount of water consumed by can washers of

69%

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

Read more at:
www.ball.com

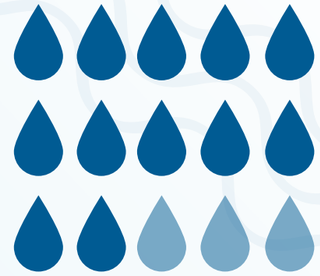
Reduction in water consumption of

9%

over the course of 2019, at their Moëlan-sur-Mer plant in France by enabling **efficient water reuse**.

Read more at:
www.triviumpackaging.com

TRIVIUM PACKAGING



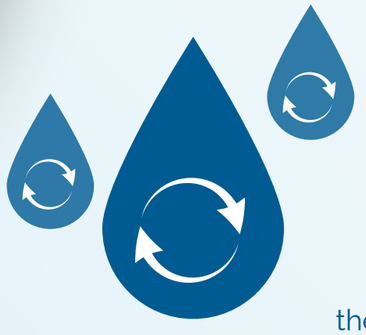
Aim to **decrease** water usage in its global operations **by**

20%

between 2019 and 2025.

Read more at:
www.crowncork.com

CROWN Brand-Building Packaging™



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

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Metal Packaging Europe | SUSTAINABLE DEVELOPMENT GOALS

We support the Sustainable Development Goals

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.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Some noteworthy examples supporting this sustainable development goal

Share your initiatives with us!
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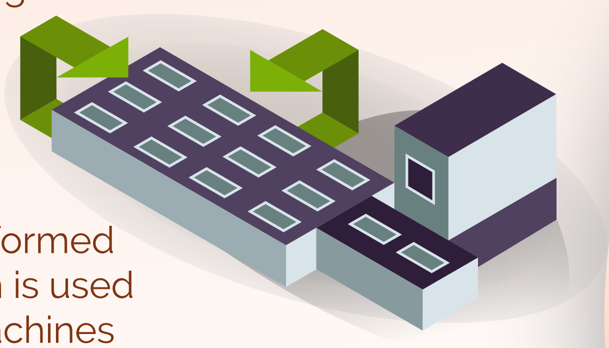
Use of heat generated during the can-manufacturing process **to heat** the entire **building** since 2019.



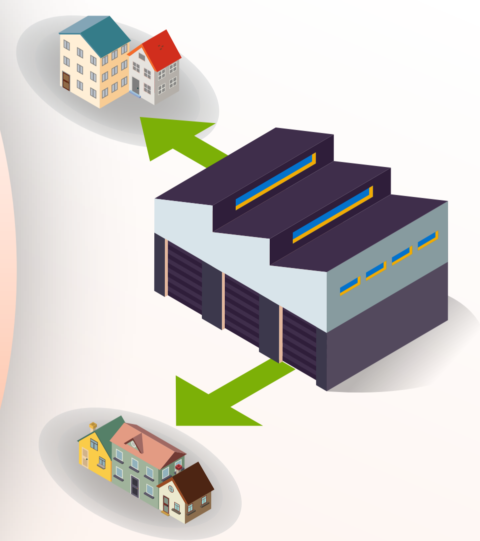
The heat is also transformed into **cool water**, which is used to cool production machines and the administration building as needed.

Read more at:
www.blechwaren-limburg.de

Securing **CO2 savings** of around

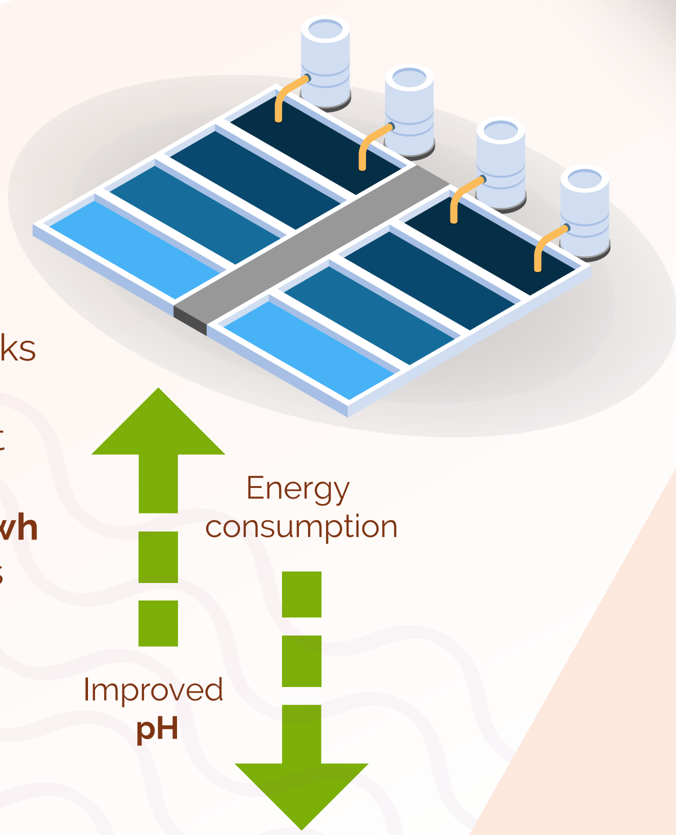
10%

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. The plan is to take further actions that will lead to the reduction in CO2 emissions by a further 10% in 2021.

Read more at:
www.envases.dk

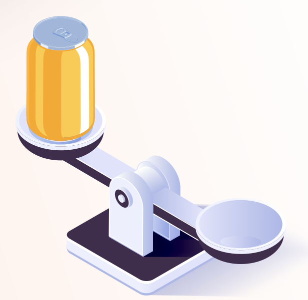


Improvement in **water pH levels** and **reduction in energy consumption** thanks to installation of new cleaning system in its Izmit plant in 2018. An annual **saving** of around **75000 kwh per year** is achieved and is recognised by Crown's Chairman Sustainability Awards.

Read more at:
www.crowncork.com

Optimisation of energy use across several Italian factories through the installation of LED lighting and movement sensors and improved pressurised air systems.

Read more at:
www.ardaghgroup.com



Reduction in weight of 33cl cans by

7%

across the majority of production facilities.

This innovation has now been extended to 44cl and 50cl cans, with the **potential to save 3.3 million hectolitres of water and cut CO2 emissions by 28,000 tonnes.**

Read more at:
www.ardaghgroup.com

Metal Packaging Europe

SUSTAINABLE DEVELOPMENT GOALS

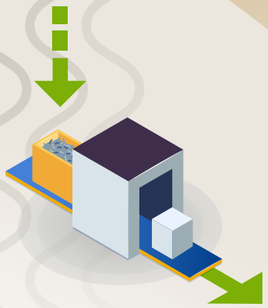
We support the Sustainable Development Goals

Waste and food waste in particular are global problems.
The metal packaging industry is ideally placed to help reduce 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.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Some noteworthy examples supporting this sustainable development goal

Share your initiatives with us!
info@metalpackagingeurope.org

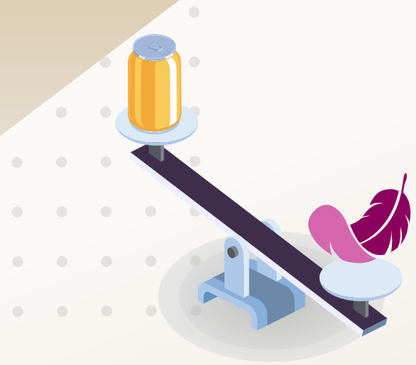


At Envases Skive plant in Denmark, **technical material waste** is sorted and pressed into AluCubes in their internal recycling centre, to optimize it for recycling at the aluminium supplier.

The AluCubes come **back as new raw material** that represent an important part of the aluminium consumption in the production of new cans.

Read more at:
www.envases.dk

ENVASES



Their STARcan project aims to **reduce** standard **can weight by 3-8%, saving 30,000 metric tonnes of metal** per year.

Read more at:
www.ball.com

Ball

Metal packaging has some of the highest packaging recycling rates in Europe:

76.1% for aluminium beverage cans and

82.5% for steel packaging in 2018

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

30%

By the **end of 2018**, nine of Ardagh's 12 European beverage production sites sent

zero

waste to landfill.

Read more at:
www.ardaghgroup.com

ArdaghGroup

METAL recycles forever™

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.

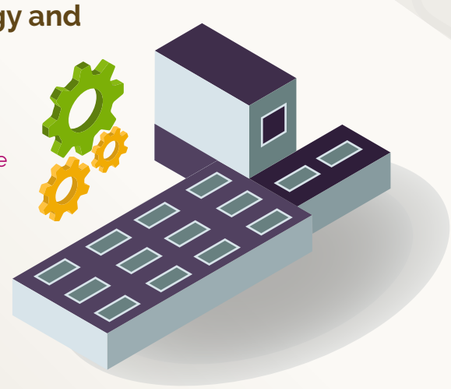
Reduction in annual CO_2 emissions of

2600 tonnes

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

Read more at:
www.blechwaren-limburg.de

Seit BL 1872



Metal Packaging Europe

SUSTAINABLE DEVELOPMENT GOALS

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.

13 CLIMATE ACTION

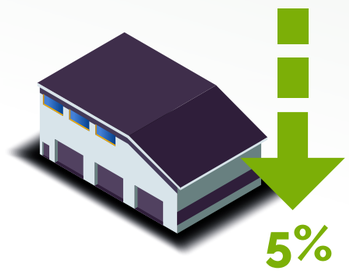
Some noteworthy examples supporting this sustainable development goal

Share your initiatives with us!
info@metalpackagingeurope.org

Exceeding the goal in 2020 and achieving **33% of total electricity** consumption **from renewable sources**. They plan to reach 100% by 2050. All UK facilities are already running solely on renewable electricity.

Read more at:
www.crowncork.com

CROWN Brand-Building Packaging™



By the end of 2020, their metal packaging plants had **5% reduction** in energy consumption per billion standard production units - by end of 2020 in its metal packaging manufacturing plants - surpassing their original goal.

Read more at:
www.crowncork.com

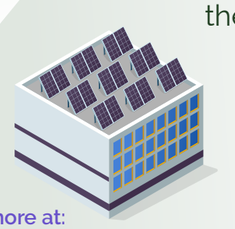
CROWN Brand-Building Packaging™

100%
renewable energy in **all** 23 **EMEA** beverage can plants.

Read more at:
www.ball.com

Ball

Over **1800 solar panels** installed on the roof of Deventer plant, the Netherlands in early 2018, generating around **450MWh** of energy and therefore **reducing** annual CO_2 **emissions by** more than **300 tonnes**.



Read more at:
www.ardaghgroup.com

TRIVIUM PACKAGING

New facility under construction in Herenveen, the Netherlands, **will be heated entirely using geothermal energy**.

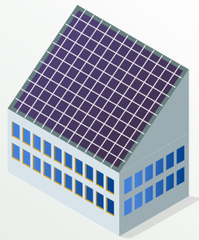
Read more at:
www.triviumpackaging.com

TRIVIUM PACKAGING

100%
renewable energy now used in all manufacturing locations across Spain and the UK.

Read more at:
www.triviumpackaging.com

TRIVIUM PACKAGING



Photovoltaic system installed on roof, capable of generating 751 kWp in energy.

In 2019 alone, **799,265kWh** of electricity was produced.

Read more at:
www.blechwaren-limburg.de

Seit BL 1872

Around **5300 solar panels** to be installed on 15.000m2 roof of plant in Austria by the end of 2021. This will generate 1.800.000 kWh of energy and, based on 2020 energy consumption figures, will **allow** the **plant to run on close to 100% green energy**.

Read more at:
www.silgan.com

SILGAN