



Dangerous goods packaging, produced prudently and mindfully.

Sustainability in review.

Healthy employees, satisfied customers and an intact environment have always been the focus of Müller Packaging – for 126 years.

Müller AG Verpackungen is a family-run company with sites in Münchenstein and Reiden, which is part of MVM Pack-Holding AG (Müller Group) in Münchenstein.

It has always been important to the Müller family and the Group management to provide employees with secure jobs, to offer customers added value with quality products and to do justice to the environment and its protection.

In the modern and well-positioned industrial company, many measures have already been implemented since the 1990s in eight areas of activity as part of the responsibility for people and the environment:

Note: If no locations are mentioned for the measures, these have been implemented in Münchenstein and Reiden.



Producing drums economically

Basis	<ul style="list-style-type: none"> ▪ Evaluation of flawless raw materials and means of production ▪ Controlled use of raw materials and means of production to prevent material wastage ▪ Preventive and proactive maintenance of machinery including stocking of spare parts ▪ Regular review of our processes ▪ Targeted investments in energy-friendly production equipment ▪ Automation to safeguard processes
2018-2020	▪ New production and logistics hall in Münchenstein and thus internal transport optimizations
2019	▪ New lid coating oven in Münchenstein
Since 2019	▪ Manufacturing according to LEAN principles



Procuring energy with foresight

Basis	▪ Purchasing CO2-free electricity
2012	▪ Realization of the first photovoltaic plant in Münchenstein
2022	▪ Complete coverage of all production buildings with photovoltaics
2023	▪ Purchasing natural gas with biogas content



Using energy wisely

Since 2010	▪ Change from pneumatic and hydraulic power to electromechanical technology
2013	▪ Conversion of main burner for process heat in Münchenstein from fuel oil to natural gas
2017-2021	▪ Complete replacement of the lighting to LED
2021-2023	▪ Energy reduction path is defined - together with the Energy Agency of the Economy (EnAE)
2023	▪ Generation of process heat in semi-finished parts production in Münchenstein with electricity instead of gas burners



Recovering waste heat

1990	▪ Use of process waste heat to generate hot water in Münchenstein
2003	▪ Hot water tank and heating from process waste heat in Reiden
2008	▪ Heat recovery from exhaust air combustion in Münchenstein
2010-2011	▪ Extension of the roof insulation of the production buildings in Münchenstein
2014-2018	▪ New windows in the production buildings in Münchenstein
2018	▪ Heat recovery from air compressors in Münchenstein
2018-2020	▪ New production and logistics hall and administration building in Münchenstein heated by 90 % with waste heat



Cleaning exhaust air

1988	▪ New biofilters in Reiden
1990	▪ New biofilters in Münchenstein
2008	▪ New thermal exhaust air purification plant in Münchenstein (exhaust air 100% purified)
2019	▪ New exhaust air control system
2022	▪ Renewal of the exhaust air purification plant in Reiden (exhaust air 100% purified)




Reducing water consumption

2008-2016	▪ Process cooling through closed circuits instead of fresh water
2019	▪ Complete replacement of water treatment



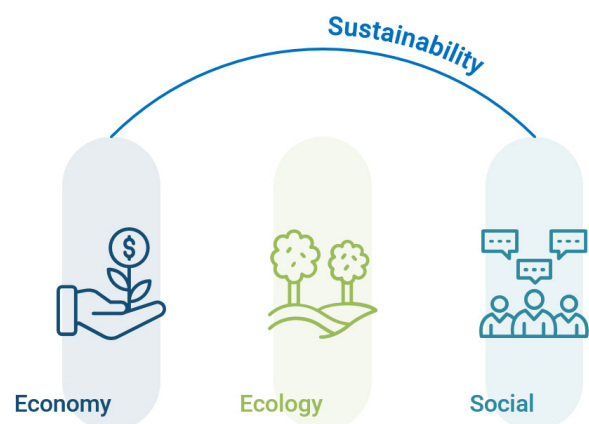
In 2022, photovoltaic systems have been installed across the board on all production roofs at Müller Group. The picture shows the Münchenstein site.

 Complying with legal requirements	
Basis	<ul style="list-style-type: none"> Compliance with laws and standards for the prevention of environmental pollution. Compliance with occupational safety laws and standards
2010	<ul style="list-style-type: none"> Environmental management according to ISO 14001: Certification of the plants
2010	<ul style="list-style-type: none"> Occupational safety according to ISO 45001 (then OHSAS 18001): Certification of the plants

 Standing up voluntarily for the earth	
Since 1990	<ul style="list-style-type: none"> Implementation of defined energy and waste reduction targets including consistent separate collection of operational and production waste and appropriate recycling
2013	<ul style="list-style-type: none"> Commitment to voluntary climate protection and energy efficiency in Münchenstein through cooperation with the Energy Agency of the Economy (EnAE) incl. commitment to continuous CO2 reduction
2018	<ul style="list-style-type: none"> Initial assessment by EcoVadis with silver rating

New sustainability strategy coming in 2024

In 2023, Müller Group laid the foundations for a new Group-wide sustainability strategy. It is based on recognized norms and standards, such as the United Nations' sustainability goals. In terms of structure, it follows the established "Triple Bottom Line" principle. In this way, the companies of the Müller Group tackle the economic, ecological and social challenges in a motivated manner.



The Triple Bottom Line extends the criteria for measuring corporate success to include social and environmental compatibility.

- The new Müller Group sustainability strategy will be communicated at the beginning of 2024.