



Toolkit - Resources for trainers

Good Practice - SDG Nr. 6

ZERO water waste

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

Goal number 6 relates to Clean Water and Sanitation. It aims at ensuring availability and sustainable management of water and sanitation for all.

Social Goals

“ZERO water waste” is initiative of the Carlsberg Polska company. The main goal is to halve water consumption in breweries by 2030, in the process of beer production.

What need does it cover?

Water is one of the key areas of the Carlsberg Group's sustainable development strategy. Water accounts for 92% of beer production and the beer quality depends on it.

According to research, by 2025 2/3 of the world's population may suffer from water shortages, and ecosystems will also be threatened. That is why responsible sourcing and sustainable water management become part of the current activities of Carlsberg Polska.

Carlsberg Polska company implements the Together Towards ZERO program as part of the global strategy of the Carlsberg Group, which includes four priorities and goals to be achieved by 2030, with a transition period in 2022, i.e.: ZERO carbon footprint, ZERO water waste, ZERO irresponsible consumption alcohol and a ZERO accident culture. The program defines how the Group carries out its mission of brewing beer for a better today and tomorrow. The assumptions of TTZ are in line with the goals of UN Sustainable Development.



<p>How was it founded?</p>	<p>Carlsberg Polska company implements the Together Towards ZERO program as part of the global strategy of the Carlsberg Group, which includes four priorities and goals to be achieved by 2030, with a transition period in 2022, i.e.: ZERO carbon footprint, ZERO water waste, ZERO irresponsible consumption alcohol and a ZERO accident culture. The program defines how the Group carries out its mission of brewing beer for a better today and tomorrow. The assumptions of TTZ are in line with the goals of UN Sustainable Development.</p>
<p>How does it relate to SDGs</p>	<p>The practice accomplishes the SDGs goal Nr 6 – Clean Water and Sanitation</p>
<p>Good practices</p>	<p>In 2017, the Carlsberg Group announced ambitious Sustainable Development Goals under the slogan Together Towards ZERO. They assume, inter alia, reducing water consumption in breweries by 25% by 2022 and by 50% by 2030.</p> <p>Carlsberg Polska company significantly increases the efficiency of water use in its operations and ensures sustainable water abstraction. The company actively participates in the realization of this challenge by consistently monitoring and reducing water consumption as well as investing and implementing innovations in its breweries. Daily monitoring of water consumption, analyses and optimization of, for example, washing processes, allow you to effectively manage water and, where possible, reuse it. Water is recovered, among others from washing carbon and sand filters, ion exchangers and condensers. Purified water is reused, e.g. for cooling pumps, and on the packaging line for washing cans after bottling.</p> <p>Result:</p> <ul style="list-style-type: none"> • In 2020, Carlsberg Polska breweries achieved a low water consumption: 2.66 hl per 1 hl of finished beer (in 2019, 2.89 hl / hl of beer were consumed). • In 2021 2.64 hl of water was used to brew 1 hl of finished beer, i.e. by 1 percent. less than in 2020.



How to work on it

It has become possible to reduce water consumption in beer brewing, among others thanks to the use of a new returnable bottle washer in one of the breweries, which reduced the water consumption in the brewery by 43 percent. In addition, 45,600 m3 of water was saved thanks to the new water recovery installations in two breweries.

