



WATER STEWARDSHIP AT WACKER

Water is the most important natural resource on Earth. It also plays an important role in many production processes here at WACKER – whether as a coolant, as a cleaning agent or as a component of our formulations. It follows that safe, cost-effective availability of water, in both the quantity and quality needed, has a substantial effect on our company's added value.

Recognizing the Challenges

The availability of water is closely linked to climate change, which impacts local conditions through increasingly frequent weather extremes, such as heat and drought or torrential rains and flooding. This is why our water management plays out at the local level – so that we can accommodate the unique requirements of a given region.

The Building Blocks of Water Management at WACKER

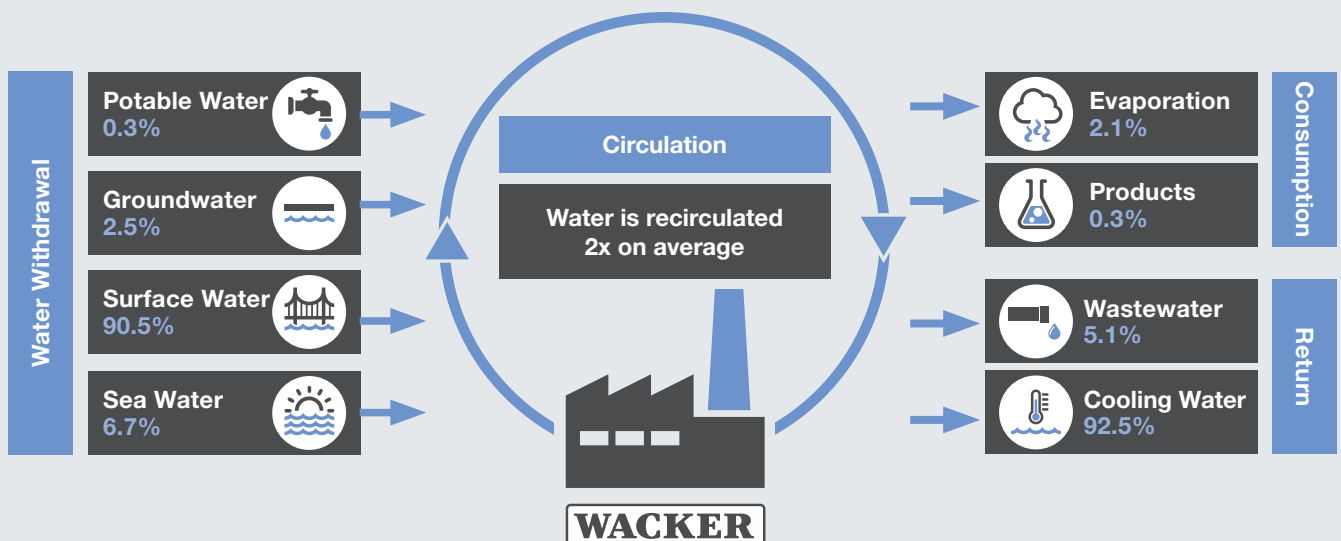
- Supplying our production processes with both the quantity and quality of water needed – adapted to the ecological capacity of the water reservoir
- Treating wastewater safely and protecting water bodies from impact of harmful substances
- Meeting legal requirements and our responsibilities to society
- Making certain our production sites can be adapted to changes in the physical and regulatory environments
- Making our product portfolio more sustainable
- Using water responsibly within our supply chains

A Systematic Program

Water management at WACKER is based on the WACKER Water Stewardship (WaWaS) program, which follows six essential principles derived from international standards:

- Good water governance: appropriate, transparent corporate leadership on issues of water management
- Sustainable basin water balance: sustainable water withdrawal with respect to water volume
- Good water quality: good water conditions with respect to chemical quality, biological elements and thermal load
- Protection of important water-related areas: preserving and protecting important aquatic conservation areas

Water Balance: WACKER Group Water Flow as a Percentage of Total Demand





- Flood protection: protecting people and facilities from the consequences of extreme weather events
- Safe water, sanitation and hygiene (WASH): secure access to water, sanitation facilities and hygiene standards

Our Goals

We will introduce a systematic water management program at our production sites by 2023 and reduce our water demand by 15% per ton of net production by 2030.

We will also do the following:

- Make all of our process chains more energy efficient in order to reduce the heat loads that need to be dissipated
- Identify relevant wastewater sources and reduce substance loads by modifying our processes and/or taking appropriate pretreatment measures
- Assess the impacts of climate change and regulatory requirements on the water we use, preparing to make adjustments where necessary



Climate Change

Human-induced global warming has a dramatic impact on people, biodiversity and natural bodies of water. Warmer temperatures, increased evaporation and new precipitation patterns have a direct influence on the water balance. The consequences of climate change include more frequent droughts and heat waves, extremely low river levels and reduced groundwater levels, even as the prevalence of flooding and torrential rain events increases.

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