

## Water filtration in the mining industry

### Investment Case Study

**Asset Class: private debt**

**Location: Germany [HQ]**

An example of an investment by Ambianta one of our private markets asset managers.

Water is an essential resource, yet it is relatively scarce and polluted. Although water covers 71% of the world's surface, only 0.01% is available as fresh water. Pollution is a significant issue because more than 50% of wastewater flows back into the ecosystem without any form of treatment.

In 2024 Ambianta, acted as a lender in the Oaktree acquisition of Aqseptence, a leading global provider of water filtration and separation technologies headquartered in Germany. Across its divisions, the company offers solutions tailored towards treating or recycling water and wastewater in industrial, urban and agricultural sectors through a wide range of technologies.

Through its Filtration & Thickening Systems (FTS), Aqseptence is able to reduce water consumption by up to 90% in the mining industry, a highly water intensive industry. Aqseptence FTS does this by providing sludge thickeners and filter presses to process tailings, the leftover of mining processes containing rocks, water and hazardous chemicals. The result of the process is clean water which can be reused (up to 90%) and dry stack non-hazardous tailings that can be safely managed.



This process is critical to reducing the risk of environmental and water pollution from tailing slurries and potential leakages. Aqseptence contributes to further adaptation of dry stacking processes in mines, which currently stands at only 6%, thereby supporting the industry on its path towards a sustainable transition.

The total environmental impact achieved by Aqseptence in 2023 estimated according to Ambianta's proprietary Environmental Impact Assessment methodology amounts to:

- 11.9 million of M3 of Water Saved, equivalent to the annual water domestic consumption of 65,000 families<sup>1</sup>.

<sup>1</sup> Analysis based on UK water bills performed by Culligan, leading player of drinking water solutions