

## Energy efficient water & wastewater pumps

### Investment Case Study

#### Asset Class: Private Equity (Targeted Opportunities Portfolio)

#### Geography: Africa

Our asset manager Ambienta has been investing in companies whose products and services contribute to improve resource efficiency and pollution control since 2007. In 2021 Ambienta acquired the majority stake of Caprari, an Italian manufacturer of energy efficient electric water pumps for irrigation, clean water supply and wastewater collection. Pumps are estimated to consume 10% of global electricity production, therefore energy efficient options as those offered by Caprari have positive effects on energy demand on top of the positive impacts in specific applications such as irrigation and wastewater treatment.

#### Providing fresh water for a resilient food production

The increasing frequency and severity of droughts brought by climate change threatens the security of food production. In this context, irrigation shifts from being a way to increase productivity to a fundamental means to avoid losing the entire crop. Caprari's submersible pumps allow thousands of farmers around the world to efficiently provide water to prevent crop losses to droughts and to support yield.



Caprari pumps efficiently delivering water for irrigation in East Africa

#### Collecting and treating wastewater

Domestic and industrial wastewater can contain a wide variety of pollutants: organic components, pathogens, heavy metals, solvents, or toxic sludge. Some could be absorbed back into nature, while others, like chlorine bleaches, can become persistent water pollutants. Today, only 20% of global wastewater is treated before being discharged, a major environmental problem. Caprari's wastewater pumps enable the proper collection and treatment of wastewater, a critical component to prevent uncontrolled release of harmful substances into the environment.