



## **Macro area: water**

*Viacqua is looking for solutions that can encourage innovation in the field of water.*

### **The company**

Viacqua is a publicly held joint-stock company that manages integrated water service (waterworks, sewerage and purification) in 68 municipalities in the Province of Vicenza, serving more than 550,000 inhabitants.

Viacqua constantly invests in innovation, research, and interventions to improve the efficiency of its facilities and plants. It also pursues sustainable use of the water resource to ensure the well-being of the community and the local area.

The processes managed by Viacqua, and in particular the purification of wastewater, generate large amounts of waste, which Viacqua transforms into a resource for circular economy through various recovery operations: in fact, the transition to a more circular economy is one of the main environmental goals that Viacqua is committed to achieving.

### **The challenge**

The hackathon participants are asked by Viacqua to come up with a project that addresses the optimization of water consumption, the reduction of waste and leakage, and the recovery of rainwater, mainly in the context of cities.

Nowadays, especially in the current context of climate change and drought risk, the water resource is becoming more and more relevant, which is why it is increasingly urgent to work on the issues of reducing consumption, combating waste and leakage, and rainwater harvesting. The challenge, therefore, will focus on the participants' ability to find solutions to one or more of these issues also by leveraging new technologies and the opportunities they offer.