

WELLNESS TECHGROUP

This company develops and implements IoT, cybersecurity, Big Data and AI solutions across the world, providing public infrastructure digitalisation projects in three key areas of Smart Cities: smart energy, smart waste management and smart cybersecurity.

www.wellnesstg.com



Wellness TechGroup

Collaborating member of the Smart Destinations Network



QUAMTRA SMART WASTE MANAGEMENT

Quamtra Smart Waste Management is the ideal solution for cities looking to **adapt the collection of solid urban waste to meet the needs of local residents**. The solution provides knowledge on the status of the garbage bins, allowing for more efficient collection. The solution moves municipalities away from a reactive, static collection model based on historical values towards a more proactive and innovative method. Quamtra measures and transmits the status or fill level of each bin, allowing for more efficient planning by only collecting full or nearly full bins.

The IoT solution proposed by Quamtra Smart Waste Management is **based on smart devices** (the Q and MiniQ Sensors) installed inside waste bins. These sensors constantly measure the fill level using a measurement module based on ultrasound. In the same way, the sensors collect parameters such as the bins' interior temperature, tilt, movement and even location.

The information collected by these sensors is sent to a software platform that compiles, conveniently displays, and analyses the data. The platform creates multiple reports and alerts that allow for agile analysis and decision making by responsible parties.

Quamtra sensors are **compatible with all currently available waste container models**.

Scope of smart destination application

**Technology
Sustainability**

Solutions for destinations in the following areas



Type of solution

