

# GRAPHENE SOLUTIONS

R&D&I company with solutions aimed at improving the environment and energy efficiency. Graphene Solutions offers new points of view for town and city councils, allowing them to change the structure of urban energy, hydrogenate the municipality, making it sustainable and economically independent.

[www.graphesol.com](http://www.graphesol.com)



Collaborating member of the Smart Destinations Network



## SMART ODOR WASTE

Smart Odor Waste is designed and patented by Graphesol . It is an IoT device that represents the evolution of current smart devices for **waste management**.

To the usual functions, Smart Odor Waste adds a feature for removing bad smells from containers, eliminating organic waste, reducing pollutants and bacteria. Currently, IoT devices measure the height of the waste and the temperature and emit a signal advising whether a container should be collected or not. Other features include opening the container with a citizen card, geolocation or reporting vandalism.

With this new device, a fundamental function is added to tourist municipalities through eliminating complaints of bad odours from the containers, and a new business line is added to the waste management companies through the **loading and maintenance of the biocidal liquid**.

This natural biocidal liquid is made up of natural bacteria and enzymes that remove all odour components and any organic residue, as well as nitrates and other contaminants.

Scope of smart destination application

**Technology  
Sustainability**

Solutions for destinations in the following areas



Type of solution

