

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



Collaborating member of the Smart Destinations Network



BIOTECHNOLOGY FOR BEACHES

Bioremediation consists of using bacteria and enzymes to solve contamination or environmental problems. This technology allows two applications for tourist destinations in sand and water.

The application of biotechnology on beaches is centred on three uses:

1. **Elimination of biological remains on dog-friendly beaches.** The bacteria and enzymes act on biological remains, decomposing the chain compounds into simple molecules, thus eliminating not only biological remains, but also odours.
2. **Treatment of seaweed.** Many town councils pile up the seaweed that washes up along the coast, generating unpleasant smells and annoyance to holidaymakers. Biotechnological treatment makes the seaweed composting time much quicker, removing larvae, mosquitoes and, above all, the bad smells from decaying seaweed.
3. **Stains from petroleum products.** In the event of the appearance of diesel or tar stains, biotechnology allows the hydrocarbon molecules to break them down, not only at a surface level, but to penetrate the earth by removing the remains to a depth of up to approximately 4 metres.

Scope of smart destination application

**Technology
Sustainability**

Solutions for destinations in the following areas



Type of solution

