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Solid Waste Management at Berlenga Island

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Abstract:

The main objective is to develop a sustainable management system of the urban solid waste produced at Berlenga Island. The system shall include reduction, reutilization and valorization components, using viable solutions in compliance with technical, political, social and environmental terms.

The conception of the potential solid waste management system shall be developed through the comprehension of the current management system (definition of the waste type and quantities produced), characterization of the deposition/treatment/elimination waste system, as well as through the procedures evaluation of waste reduction and reutilization.

The potential solution is to install at the island a compaction system of inorganic and organic solid waste (previously crushed), and a storage system comprised of several containers. The solution assures waste transportation, and subsequent waste valorisation/elimination, to the mainland.