















Union for the Mediterranean Union pour la Méditerranée الاتحاد من أجل المتوسط

A project labelled by the UfM



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TouMaLi Action Plan and Upcoming Activities Implementation of the Technical Concept Effective Waste Management for Sustainable Tourism and Marine Ecosystem Protection Marrakesh, 8th & 9th of November 2023

Beatrice Vanek, Technical Consultant, BlackForest Solutions GmbH

Equipment for the Recycling Facility

































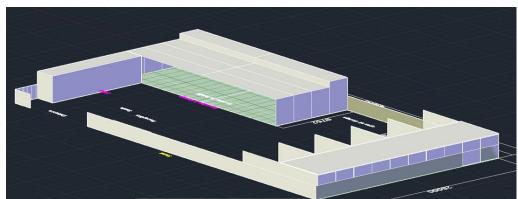


Construction of the Recycling Facility





- Collaboration with a local architect/ civil engineer
- Location-specific facility construction
- Installation of equipment



















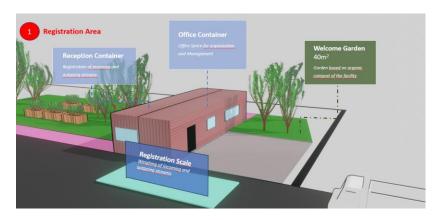






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Waste Separation in Hotels



- Pillar of the reverse chain
- Provision of clean waste streams
- Educational effect for hotel staff and hotel guests



Local waste management provider



Waste collection and treatment via the TouMaLi system





















Hotel Staff Training



- Installation of waste bins in hotels
- Conducting staff training
 - In Hotels
 - For waste collectors

Content:

- Waste streams to be introduced
- Detailed flow description from different sources:
 - Kitchen waste
 - Hotel rooms
 - Lobby and pool areas
 - Beaches



Picture source: BFS, 2021





















Preparation of Recommendations: Waste Reduction



Preparation of recommendations to create a holistic system for waste reduction









Picture source: lodgingmagazine.com

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Reduction of PET water

bottles

















Preparation of Recommendations: Awareness Raising TRUMALI



 Preparation of recommendations to create a holistic system to raise awareness about environmental topics



Picture source: BFS, 2022

Separate bins for hotel guest in public areas



Picture source: https://www.dontbeatosser.epa.nsw.gov.

Awareness about the consequences of discarded cigarette filters



Picture source: Upcyclerslab.com

Educational Program for children at the hotels























Implementation Timeline



Example Alexandria

- Selection of all equipment
- Start of acquisition and payment

- Construction plan finalised
- Date for construction set

- Finalisation of construction
- Installation of Equipment

- Staff Training
- Roll-out of waste separation in hotels
- Start of operations

November 2023

December 2023

Until March 2024

April 2024



































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