



Ta' Xbiex (Malta)

The Ta' Xbiex Belvedere



Scenic view of Valletta and Manoel Island



Former Spanish Prime Minister jogging on the Ta' Xbiex Seafront



Ta' Xbiex rocky beach





Aerial views of the Yacht Marina



Nautical culture in Ta' Xbiex



Sports yachts preparing for the Rolex Middle Sea Race



Waterpolo training in Ta' Xbiex



'The Black Pearl' and a traditional Maltese boat



The Boat Fountain in the Yacht Marina



Part of the Ta' Xbiex business and diplomatic area



Typical villa in Ta' Xbiex

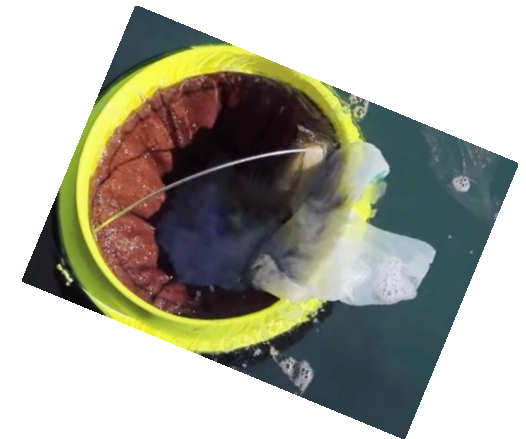


Ta' Xbiex Parish Church



Waste Management

- Door to door mixed waste collection
- Door to door recycling
- Door to door organic
- Door to door glass collection
- Door to door bulky refuse collection
- Underground separation waste facility
- Intelligent recycling bins (i-Bins)
- Solar bins
- Seabins
- Used Clothes Depot
- Batteries Depot
- Drugs Depot
- WEE Depot



Ta' Xbiex Marina – Underground Waste Separation System and Solar Electric car charging points





Solar Bins

- Parks and beaches are the best assets in many communities, but the resource required to maintain them is not easy at all. Instead of settling for overflowing trash bins, our Council introduced for the first time in Malta, innovative bins that compact trash when full and can fill up to five times as much as a large sized trash bin. Running on solar energy, each unit is smart and sensor-equipped, and is also equipped with an intelligent system that compacts waste automatically whenever the bin is full. It can compact up to five times, creating space and reducing the chances of bins overflowing with waste. As a Council we have always promoted environmental friendly measures in order to have a cleaner and safer environment. Such systems are viable since there will be less collections and hence less trucks, which also means no overflows or visible waste. This is the future of waste management. It is not easy to keep the walkways of our waterfront clean and waste out of the water. Residents and visitors enjoy beautiful ports, harbours, and beaches that are free of waste.



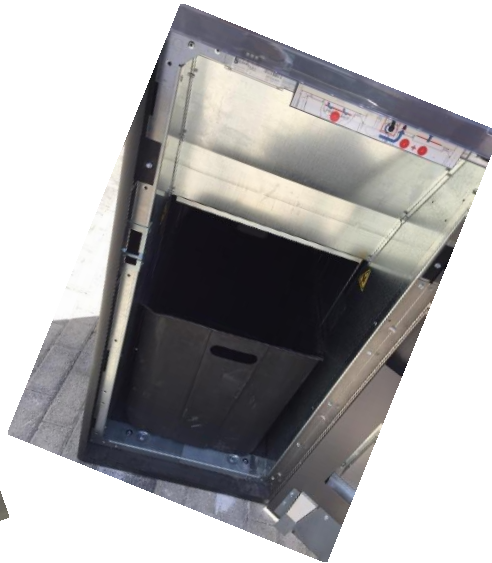
- In addition, the platform can deliver public Wi-Fi service to enhance the visitor experience and enable waterfront visitors to linger longer in a connected environment. Collection crews spend time on more meaningful work with up to 80% fewer collections. Our bins deploy smart, sensor-equipped waste & recycling stations that communicate real-time status to collection crews to enable efficiencies. The cloud-connected and web-based platform delivers actionable insights into waste operation. Offered as a turnkey system, each fleet is customizable and modular based on capacity, waste stream, and accessory needs. Our solar bins offer much more than smart waste and recycling. In addition to modernizing our locality, we are receptive to change and consider experimenting and adapting in additional technologies. Our bins are easy to access and can hide technology in plain sight. We took advantage of required public waste infrastructure as a holding place for other technology, applications, and equipment. Multi-purposing the smart waste system eases logistics, declutters the streetscapes, and further enhances the community experience with improved services, streamlined operations and collection efficiencies.





■ Advantages

- Reduce collections by 70-80% on average and subsequent decreased liner usage, labor hours, vehicle wear, and fuel consumption
- Informed decision making and operational planning with real-time data and analytics in CLEAN Management Console software
- Increase productivity & route efficiency with optimized collections and reallocated resources to more impactful projects
- Beautified public spaces and improved quality of life
- Transform cleanliness & aesthetics by keeping waste contained – eliminate visible waste, windblown litter, overflows, and critter access
- Cleaner, greener, safer streetscapes with a reduced bin footprint (less bin clutter) and reduced refuse truck traffic, noise & congestion
- Remove waste as a food source for critters and birds: a proven track record in reducing rodents in public parks
- Sustainable practices & reduced carbon footprint
- Introduce and increase public space recycling program with multiple streams at each point of disposal & tracked diversion data
- Reduce carbon footprint and CO2 emissions with fewer truck rolls, fuel consumption, and air pollution when meaningfully deployed
- Less littered public spaces for an overall cleaner, more sustainable environment thanks to total containment & smart collection routine.





GreenPak CEO Mario Schembri with the winners of the Local Council Awards.



