



CROWN AGENTS
ACCELERATING SELF-SUFFICIENCY & PROSPERITY

Crown Agents' Waste Management Capabilities



THE PROBLEM

UN Waste Experts highlight that the open burning of waste is a major source of air pollution and uncontrolled waste dumping. This leads to increased methane emissions, contributing to 11% of global black carbon emissions. In lower- to middle-income countries, this contributes to up to 10% of global climate change emissions, double the negative impact of the aviation industry. According to the World Bank, in low-income countries, 90% of waste is openly burned and/or dumped, contributing to climate change and contaminating the water we drink and the soil that grows our food.

COP27 saw commitments across Africa to '50-by-50', which aims at 50% waste recycling by 2050. Circular economy approaches to waste will not only cut greenhouse gas emissions but represent an economic opportunity as large as \$300 billion globally. The goal is for proper waste management to drive solutions related to the planetary triple crisis: climate change, pollution and biodiversity loss. Further benefits of improved waste management include improving livelihoods through increased employment opportunities and environmental sustainability through recycling and reuse opportunities. Tackling waste management requires investment into increasing treatment and recycling capacities, setting the necessary level of policymaking and advocating for global contribution and involvement.



CROWN AGENTS' SOLUTION:

Crown Agents is at the forefront of global waste management initiatives, working with governments and citizens to find sustainable solutions to environmental degradation.

We take a holistic approach, bringing together multiple areas of Crown Agents' expertise to consider all elements of waste management from minimisation through to disposal and thereafter. This includes drawing on our expertise in: providing technical assistance, procurement of waste treatment plans and ancillary equipment, logistics to move waste, climate modelling to measure the reduced environmental impact of improved waste management and, health system resilience and governance systems strengthening to drive forward improvements in waste management.

We engage local communities and authorities to identify waste recycling, collection and proper management options that both reduce uncontrolled dumping of waste, as well as generating jobs in the waste recycling sector.

We carry out waste assessments to assess the quantity and types of waste being produced, as well as how waste is currently disposed of and managed. We analyse the data collected to identify sustainable, viable solutions which would look at localised recycling initiatives, proper waste collections, handling and management as well as increased climate and environmental awareness.



Crown Agents Track:



HEALTHCARE WASTE MANAGEMENT

Crown Agents is working with UNICEF and Ministries of Health (MOH) across the world to support countries in planning sustainable solutions for healthcare waste management (HCWM) of primary healthcare centres. We have been working with Botswana, Somalia, Malawi, Tanzania and Azerbaijan to provide technical assistance on this issue. We start by working with the MOH to establish a national committee to drive improvements in HCWM in the country. We then carry out an assessment of HCWM, which results in a detailed report on the findings and our recommendations for a 10-year roadmap to improve HCWM, which includes the technical specifications of the best technologies to use. The solutions are developed in collaboration with the MOH and other stakeholders to ensure local ownership and sustainability. Through this work we also carry out a sensitisation session to the national committee and training of trainers at the national level. This includes end-user training of handling, storing and transporting waste, using appropriate technology for disposing of or treating the waste, and operational and maintenance needs.



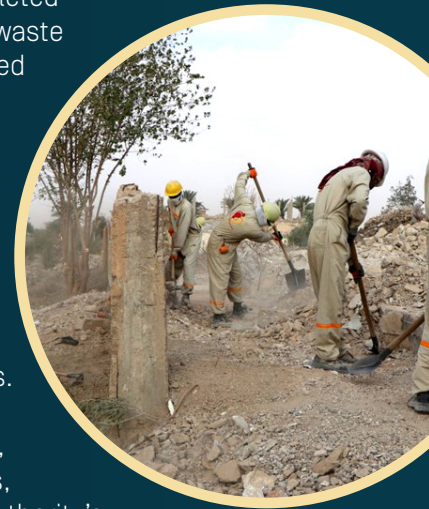
BARBADOS WASTE-TO-ENERGY

Barbados' seaport is a significant hub for trade, logistics, transport, technology and people, handling over 1,151 vessels every year. Crown Agents is playing a key role in supporting the Port to be the most innovative, green maritime hub in the world by 2030. Combining our extensive experience in technical procurement, sustainable public procurement and project management, delivered by a global network of experts, we are working to update waste management facilities and build capacity in managing waste and construction projects. We are also supporting the replacement of the current waste incinerator to develop an efficient, environmentally friendly waste-to-energy facility to manage waste from cruise ships and port operations.



RUBBLE CLEARANCE SYRIA / WASTE ASSESSMENT IN SYRIA

In 2019, Crown Agents completed an assessment of the solid waste situation in 39 villages located in the Governorate of Deir Ez-zor. This enabled us to gain insight into the current generation, collection, and disposal of solid waste and thus, inform potential interventions to further improve solid waste management in target areas. The assessments included in-the-field visual in regions, waste composition analyses, assessments on the local authority's capacity to handle waste management, and a survey on private sector engagement in solid waste management. These assessments then enabled us to design and plan waste management interventions which included the rehabilitation of three dumpsites and the removal 400,000m³ of debris from 132 public sites, of which 78% was recycled to repave roads and restore bridges.



The Crown Agents waste management team includes project experiences from numerous countries including Yemen, Ghana, Uganda, and Jordan.

CONTACT US

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