CUBEX

Waste Solutions

Cubex

Consulting

About Us

Cubex is a **specialized waste management consultancy firm**, concentrating on resource-oriented biowaste management practices. We provide **best-in-class services** to tackle environmental challenges to municipalities and government entities, agricultural enterprises, NGOs, research institutions, industrial companies, urban planners, and international development agencies.

We promote the circular economy through **sustainable waste valorization practices** throughout the extended waste value chain. We imagine a future where sustainable waste management fosters **economic growth, environmental preservation, and community well-being.**

Cubex delivers waste valorization operations by focusing on **environmental responsibility and practicality with economic viability.**

About Us

Driven by **environmental stewardship**, we deliver actionable recommendations by:

- Prioritizing **responsible resource management** and approaching all challenges with **pragmatism, agility and adaptive innovation.**
- **Co-designing** tailored solutions to our clients' needs while leveraging the **best** environmental **practices.**

- Our seasoned team of **engineers and environmental scientists,** operates across Lebanon, Jordan, Saudi Arabia, and Algeria.
- Our approach emphasizes **efficient teamwork,** with an industry standard project management structure.
- Our **commitment to excellence** drives the team to **continuously learn and adapt new tools and techniques** to present the best outcomes. For instance, engineering software are used in designing waste treatment facilities.
- We **capitalize our core technology:** —the Optimum Solution Generator and the Optimum Level of Decentralization tool—to plan integrated solid waste management strategies, including collection type, collection routes in addition to designing and positioning waste transfer and treatment facilities.

Case Studies & Testimonials

DAWERR - Lebanon

DAWERR Project, funded by USAID, aimed to reduce waste generation in Lebanon through composting and recycling value chains.

Our objectives included assisting in municipality selection, assessing solid waste management infrastructure, designing and implementing tailored solutions, supporting community engagement, providing capacity-building training, and monitoring operations for quality control.

The project's main challenges were municipality selection, infrastructure assessment, community engagement, and quality control.

As subcontractors, we contributed by conducting studies, designing and implementing tailored solutions, supporting community engagement and source separation activities, providing capacity-building training, and monitoring operations for quality control.

Our efforts contributed to improved waste management practices and increased recycling rates in targeted municipalities.

Case Studies & Testimonials

WSC - Antoura Lebanon

We conducted a feasibility study for Fecal Sludge Management in Antoura-Keserwan to address sanitation challenges.

The objectives were to conduct phased interventions over 5 years, develop a budgeted implementation plan, map household system solution providers, and prepare selection criteria for providers.

Challenges included sanitation issues, lack of infrastructure, and community engagement.

We conducted a comprehensive feasibility study, including phasing interventions, developing an implementation plan, mapping solution providers, and preparing selection criteria.

The study led to the development of an integrated solution at the municipal level, fostering community engagement and participation in operation and maintenance.

"With significant expertise in fecal sludge management, the team members planned and executed the activities with high professionalism ensuring the achievement of all agreed upon deliverables on time with high commitment to all agreed on terms and conditions." Labib Akiki Antoura Mayor

Case Studies & Testimonials

LASCO JV Six Sigma - Saudi Arabia

We were contracted by LASCO JV Six Sigma to conduct solid waste management infrastructure strategic planning for four cities in Saudi Arabia (Arar, Tabuk, Tayma, and Najran) to address waste management challenges.

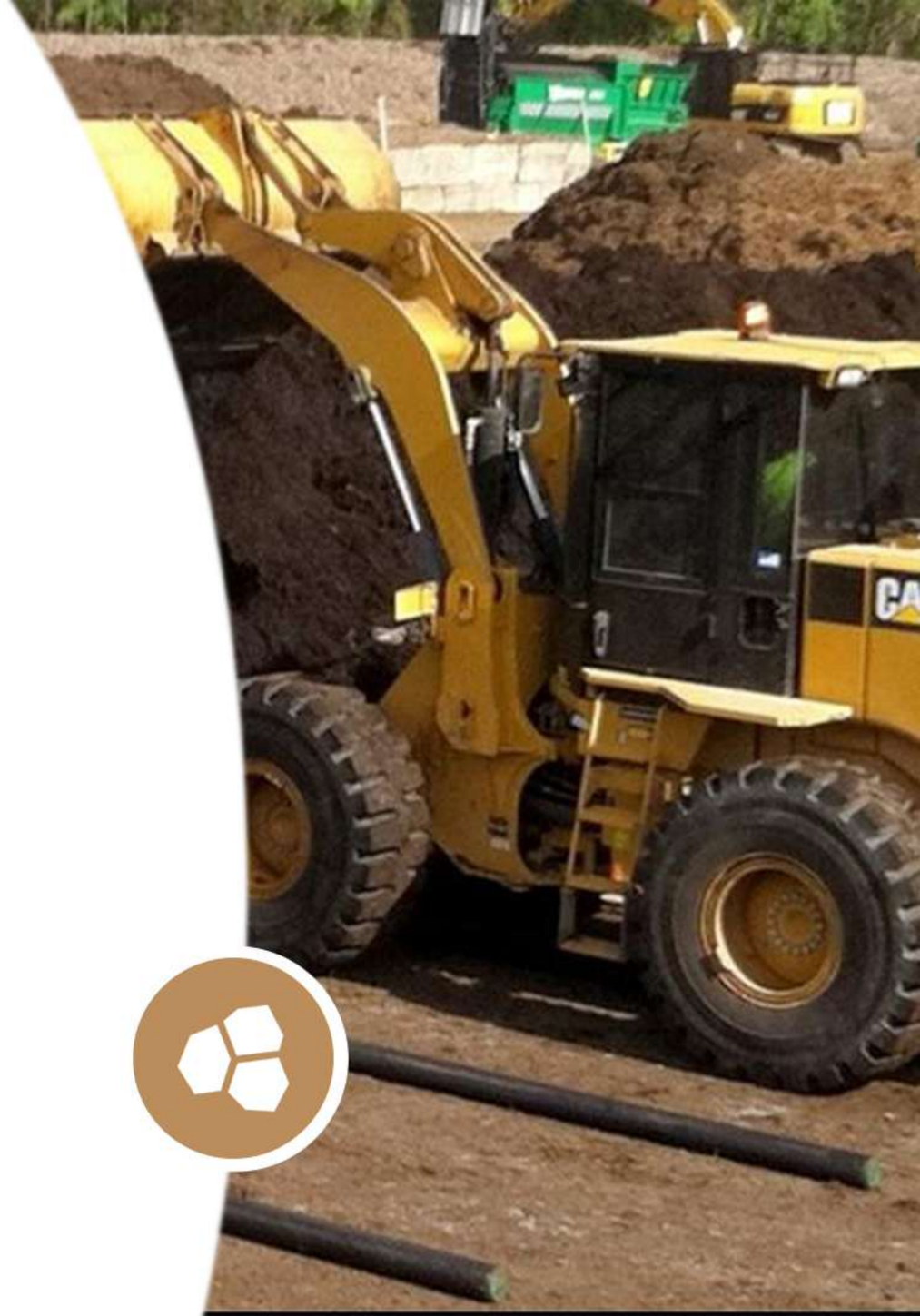
The objectives were to assess the current state of waste management, conduct a SWOT analysis, develop visions and scenarios, and prepare local planning strategies.

Challenges included inadequate waste management infrastructure and varying local needs and priorities.

We conducted a comprehensive assessment of the current state of waste management, performed a SWOT analysis to identify strengths, weaknesses, opportunities, and threats, developed visions and scenarios for future waste management, and prepared local planning strategies.

The strategic planning process led to the identification of problems in the waste value chain in each city, proposing tailored solutions addressing their specific waste management challenges and laying the groundwork for sustainable waste management practices.

"We are confident that the recommendations provided by Tommy and CubeX will guide us towards sustainable waste management practices in these cities." LASCO JV Six Sigma



Case Studies & Testimonials

Amman International Airport - Jordan

We conducted a waste quantification and characterization study and designed a waste strategic solution for the organic waste fraction at Amman International Airport to address waste management needs.

The objectives were to quantify and characterize waste, particularly the organic fraction, and design a strategic solution for effective waste management.

Challenges included managing organic waste effectively within the airport's operational constraints.

We conducted a comprehensive waste quantification and characterization study to understand the composition of waste, particularly focusing on the organic fraction. Based on the findings, we designed a strategic solution tailored to the airport's requirements and operational constraints.

The study enabled Amman International Airport to have data on their generated waste so they can take informed decisions related to treatment and management of each type of waste.

Case Studies & Testimonials

VNG International- Lebanon

We partnered with VNG International to provide expertise in composting for municipal solid waste management projects in Manara and Aitanit, West Bekaa, aiming to improve waste management practices.

The objectives were to provide timely field visit reports, raise awareness, and offer technical support in composting methods in the target area.

Challenges included the lack of treatment infrastructure and poor management of waste.

We provided expertise in composting, delivering timely field visit reports and collaborating with VNG International on municipal solid waste management projects in Manara and Aitanit. We also conducted household conferences to raise awareness about composting.

Our collaboration with VNG International and the awareness-raising efforts contributed to improved waste management practices in Manara and Aitanit. The technical support provided valuable insights and guidance for effective composting methods.

"Through their impeccable technical skills, expertise, hard work and dedication, [They] were an invaluable asset for the project and the local team in moving forward with our waste management projects." Rami Assaf, VNG International project coordinator.

Case Studies & Testimonials

PEMLO - Algeria

We conducted an assessment of organic waste management in Bougara and Boufarik wholesale vegetable markets in Blida province to address waste management challenges.

The objective was to assess the current state of organic waste management in two of the largest wholesale vegetable markets of Bougara and Boufarik within the Blida province. In addition, we developed a feasibility study for a composting operation serving the two markets.

Challenges included the long distances, lack of awareness in compost use and in sound waste management practices, and the need for engaging youth in public sector employment.

We designed a composting facility that proposed at least 10 new jobs. It can treat organic waste coming from Bougara and Boufarik markets. Two proposed financial models were presented for operating the facility. Additionally, we assessed the potential market for compost and identified best practices for farmers.

The study's results included a high-level design for an 18 tons per day of organic waste facility, a quantification and characterization study on both markets, and two financial models were proposed to have a feasible operation (Led by either Private or Public sector).

"The company carried out its assignment with diligence and commitment. The deliverables were delivered in full and on time." Gaelle Depenbrock Project Manager at PEM Consult. Translated from French

Contact Us

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