

Smart Waste Management to boost recycling rates



United Arab Emirates



Enova by Veolia

Enova, the regional leader in energy and multi-technical services, was established in 2002 as a Joint Venture between Majid Al Futtaim – the leading shopping malls, communities, retail and leisure pioneer across the Middle East, Africa and Asia, and Veolia – the global leader in optimized resource management, designing and providing water, waste, and energy management solutions. Since its foundation, Enova has always leveraged best practices developed worldwide, rooting them in the specific context of the region, to deliver operational excellence to a wide portfolio of customers.

The challenge

In a context of rising fees for the disposal of waste at landfills, our clients need to divert greater amounts of waste to be recycled, recovered and reused. Enova has developed an integrated approach to considerably improve our client's recycling rates and sustainability.

Enova's solution

Smart Waste Management



1. Enova carries out a full **waste management audit** of our client's facilities to identify who generates waste, what type of waste is produced (general vs. recyclable), and in which quantities.
2. We implement a new, **Smart Waste Management process** at our client's facilities. Enova installs weighing scales, supplies adequate trolleys, and generates barcodes to identify and distinguish each waste flow. **Enova's Smart Waste App (Eswap)** allows effective scanning and tracking of all waste flows.

Commercial Use ONLY

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Created by:
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Enova
Current contract: ●

HSE & CSR

All HSE & CSR issues are dealt with as a matter of priority. The company is accredited with the international standards (Quality Management, Environmental, Health & Safety, Energy, and Asset management) and has also been awarded the Corporate Social Responsibility (CSR) Label five years in a row. Enova was the first Energy Services Company (ESCO) accredited in the region.



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- Once the new system is operational, Enova is capable of **monitoring the client's waste flows and waste management performance in real-time**. Our client has 24/7 access to customized dashboards that detail the waste flows by type and by producer, the current recycling rates, volumes and values:



- With the live data collected, Enova produces a **detailed analysis of the client's current waste flows**, and identifies the potential ways in which waste management can be improved and made more sustainable.
- We design and organize **awareness campaigns for all stakeholders** at the client's facilities to bring everyone onboard with the waste sorting best practices.
- To further improve the client's recycling rates, we introduce **on-site recycling solutions and services** and propose **off-site recycling and valorization contracts**. Our monitoring system allows us to verify the progress made once these solutions are adopted.

The benefits

- Improved recycling rates
- Transparent, real-time waste monitoring
- Increased sustainability
- Greater accountability of stakeholders on waste production