

Sensoneo analyzes the efficiency of waste collection routes

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Sensoneo, a leading provider of smart, enterprise-grade **waste management** solutions operating in 40 countries worldwide, has expanded its portfolio with **unique analytical services**. Sensoneo's team of data analysts has developed its own methodology to deeply review and evaluate current waste collection efficiency.

Collection Efficiency Analysis uses **90 days of data** from waste collection companies regarding containers and realized routes to **uncover the actual efficiency** of the current **waste collection set-up** in terms of cost, time, utilization and quality of service.

Analysis includes

1. **Data Quality Validation**
2. **Recommendation for specific strategic measures** to be taken in order to make the process more efficient,
3. and a **Simulation of the impacts** of each individual measure.

The first waste collection companies that completed the Analysis have identified a **36-64% potential for more efficient operation**, direct links between specific types of containers and extreme costs, and huge gaps in recordings such as „unfinished driving“ or missing unloading tickets.

The companies also appreciated the **projection of new cyclic routes** that better utilized their current infrastructure and enabled them to **serve the same number of customers with a smaller fleet**.

Bratislava, 2nd of April, 2020 - After Monitoring Sensors, Dynamic Route Planning and RFID Waste Bin Tagging, Sensoneo introduces another powerful tool that helps waste management professionals to manage waste smarter: „*Collection Efficiency Analysis is a type of audit of current collection routes, frequencies, vehicles and waste containers infrastructure. Detailed analysis of each and every step from the past 3 months provides a very clear picture of quality and reliability of data, identifies weak points as well as opportunities for savings and improvement for quality of service,*“ explains Martin Basila, CEO of Sensoneo, and specifies what kind of information customers can expect from the analysis:

„We uncover the real cost of inefficient collections and explain the reasons behind it; we verify if the current collection frequency is valid in all locations and we find out from which routes the vehicles regularly return half-empty, along with much other information.

The modeling part of the analysis, in turn, offers a simulation of the effects that particular changes would bring. We can identify new cycling routes that take into account specific requirements, such as ensuring that the vehicles come back to depots 100% full, in the condition of being able to collect as much waste as possible within specific time frames, or, for example, simulate the impact of collecting only the containers 60% full and over.”

Who is the Analysis useful for

The Analysis is available for any waste collection company able to provide data related to container infrastructure (volume, commodity, address, type, last pick-up and pick-up frequency) and a detailed record of the run routes (vehicles, assigned containers, length of the route in km and moto/hours, amount of waste collected). Collection Efficiency Analysis is not region nor language-restricted.

„The Analysis presents also very useful tool to get through this challenging COVID19-related times, when the standard routes are no longer valid, the households become the highest waste production spots and we will have most likely less staff available. Following the actual needs and adjusting the operations to actual requirements are key for successful and efficient waste management service.“

Sensoneo and the USA

Sensoneo has been present in the United States since October 2017. The company has managed to deploy several installations of its waste monitoring solution in 5 different states and it was the [first commercial Narrowband IoT deployment in the United States, powered by Twilio and T-Mobile](#).

Sensoneo – recognized innovator in waste management, smart cities and proptech

Sensoneo received Mission award 2017 for working on innovations that tackle important social challenges, Innovation of the Year award 2017 from Ministry of Economy and prestigious Microsoft Award in Public administration & Smart city category. In April 2019, Sensoneo became winner of Innovation World Cup Series’ Smart Territories Challenge, that took place in Paris as part of the BIM World Paris, the world leading event for digital transformation in construction, real estate industry and urban planning. The same year, in July, Sensoneo became the best European Prop-Tech Start-up of the Year. [Sensoneo has been also identified as one of the top 3 scale-ups from Central and Eastern Europe](#).

Sensoneo is a global enterprise-grade smart waste management solution provider that enables cities and businesses to manage their waste efficiently, be more environmentally responsible and improve the well-being of people.

Through its unique smart waste management technology, Sensoneo is redefining the way waste is managed. The solution combines unique ultrasonic Smart Sensors that monitor waste in real-time with sophisticated software providing cities and businesses with digital transformation, data-driven decision making, and optimization of waste collection routes, frequencies and vehicle loads.

Sensoneo's smart waste management has attracted cities and business around the world, and the solution has been installed in more than 40 countries on 5 continents. For more information about how Sensoneo can help you manage your waste smarter, please visit www.sensoneo.com.

andrea.basilova@sensoneo.com
[+421 907 838 094](tel:+421907838094)

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