

WasteFlow

Transform Waste into Value with Vision

In a nutshell

Every year, humans create and dispose of around 2.12 billion tons of rubbish. While our growing population is partly to blame, it's also down to our levels of consumption and inability to recycle everything. Currently, only 13.5% is recycled out of the 2 billion tonnes generated globally a year, as stated by the World Bank. Millions of dollars of turnover is left on the table by low-performing facilities, whereas high-performing facilities can achieve an impressive recycling rate of 75% and above. Today, the low recycling rate can be explained by the complexity of sorting waste and the underestimation of the financial benefit to recycle. By identifying the type of waste and its mass, we can gain a better understanding of its value and optimize the recycling process by between 10 to 50%. WasteFlow analyzes and optimizes waste recycling efficiently at facilities through a learning-based vision system.

Why is our technology important?

Unfortunately, current solutions are expensive and focused on the final sorting step. Due to data gaps throughout the cycle, they fail to provide a comprehensive understanding of the processes involved and their respective KPIs. Our affordable and user-friendly service is designed to be accessible to all actors in the recycling cycle. By empowering them with the necessary tools, we strive to increase sorted material's purity, maximize existing system performance, and enhance recycling energy efficiency. The use of WasteFlow allows facilities to boost their revenue streams and create motivations for them to play a proactive role in enhancing their recycling rate. Positioned strategically throughout the recycling process, we offer an indispensable solution that not only identifies issues and their origins but also assists operators in refining and identifying tailored solutions at both the machine and facility levels.

The benefits of our solution

- Price – 0.4 % of the manual sampling price
- Speed – 60 x faster
- Better value waste mix – Millions of additional turnovers for recycling facilities
- Benefit the circular economy – More material is recycled, less unnecessary virgin material produced

Keywords

Recycling, Rubbish, AI, Circular Economy

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