

Territory planning for closed circular flow of recyclable resources

Veolia Umweltservice West GmbH

“PTV Map&Market has simplified our processes significantly. Using this professional software tool for planning the collection of recyclable material in the Main-Kinzig district saved us 14 days. So the project went a lot faster than expected.”

Christian Grupe, Project Manager and member of the Logistics team at Veolia Umweltservice West GmbH



The Task

The 280,000 inhabitants living in the Main-Kinzig district separate their household waste. The recyclable material goes into the "green-dot" bin. And what's next? Only intelligently planned districts allow waste management companies to regularly collect household waste with an exactly calculated number of vehicles in order to recycle the diligently collected material. As one of the largest waste disposal companies, Veolia Environment Services was asked by Dual System Germany (DSD) to collect the recyclable material in the Main-Kinzig district. "Every third year, DSD puts the collection of the "Yellow Bag" or "Yellow

Bin "out for tender," explains project manager Christian Grupe. Professional territory planning is an important prerequisite for optimum trip and vehicle planning. To this end, Grupe and a member of his team had to group the households and businesses into individual districts by taking the vehicles' capacities into account. These districts were then aggregated into collection territories which corresponded to the daily capacity.

The solution

Deutsche Post AG provided the geo-coded data for this project. "We only had to edit a few data records and PTV's Map&Market Planner and its geocoding feature assisted us in our work," says Grupe about the project development. "Due to the automatic territory planning functions and the possibility to solve multi-level territory planning tasks we only needed three hours to plan our districts and a week to schedule the individual day trips. Moreover, we could cluster the districts quickly and easily. Another advantage lay in the fact that we had recently installed the latest program update. Thanks to the maintenance



Veolia Environmental Services with headquarters in Hamburg is one of the leading recycling and waste management companies in Germany.

The company which employs around 10,000 people at 200 locations achieved annual sales of €1.1 billion in 2010.

contract concluded with PTV we are regularly provided with new data and maps." During a visit on site Grupe had the opportunity to check the planned waste collection trips. "Together with our schedulers and drivers we "fine-tune" the data based on the real route conditions. For example, if clearance heights are too low, we have to correct them - which can be easily done with PTV Map&Market. After at least three runs the data is finally synchronised with the current maps."

The result

"The map material of the software was up-to-date and reliable, as always, and the planning process was completed earlier than expected. So we are very pleased with the result," concludes Grupe. For the new project we also had to hire new staff. The program results helped us to ensure a smooth process. As a long-standing PTV customer I needed no training for the updated version. My colleague who is an experienced PC user also got familiar with the software within a day.

PTV Map&Market has paid off from the very beginning: All performance values can be adjusted individually, the plans

ensure optimum capacity utilization of our vehicles, and individual changes and their impacts are instantly visible.

I can definitely recommend PTV Map&Market."