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Smart Cities - Wrocław, Poland

HOW SATELLITE DATA SUPPORTS THE CITY BUDGET.

SMART CITY · Wrocław, Poland

MOVING TOWARD A BRIGHTER FUTURE

OVERVIEW

Wrocław, the third largest and second fastest growing city in Poland, is a center for dynamic change and technological progress. Their Department of Public Finance implemented a Smart City strategy and in looking for effective solutions decided, as the first city in Poland and one of the first in Europe, to use satellite monitoring for:



1.

Detecting changes to properties, e.g. new buildings.



2.

Confirming the correct classification of the declared tax class.



3.

Validating and verifying the tax collection process. .



SATREV

About SatRev

Founded in 2016, [SatRev S.A.](#) is a Polish space tech company providing complete end-to-end solutions for nanosatellite systems. Their mission is to democratise the use of Earth Observation space-based systems around the world. SatRev provides effective solutions for Agriculture, Forestry, Oil & Gas, Minerals & Mining among many more applied fields upon custom request. Company provides services to support Tax Departments in Poland in analysing areas subject to real estate tax and also provides solutions to support the management of urban green areas.

Visit www.satrev.space and follow SatRev on Facebook at [satrev](#) and on Twitter at [@satrev_space](#).

About Planet Labs

Planet is the leading provider of global, near-daily satellite imagery data and insights. Planet is driven by a mission to image all of Earth's landmass every day, and make global change visible, accessible and actionable. Founded in 2010 by three NASA scientists, Planet designs, builds, and operates the largest earth observation fleet of satellites, and provides the online software, tools and analytics needed to deliver data to users.

To learn more visit www.planet.com and follow us on Twitter at [@planet](#).

CHALLENGE

MINIMIZING LOSSES IN TAX REVENUE

By using geo-residency data, the Tax Department of the City of Wrocław discovered a discrepancy in the city's ability to collect all available taxes, which has negatively impacted their revenue stream. However, addressing these gaps was a manual process for the tax authority:

- Employees were forced to go plot by plot to identify any discrepancy, which was not scalable based on time and limited resources.

- They conducted an internal project that not only recognized the gaps between the tax registry and the cadaster but also calculated the potential revenue for addressing these tax gaps.
- The Covid pandemic and economic recession forced the government to ensure they captured all available tax revenue and minimized any losses due to fraud.

SOLUTION

DELIVERING SCALABILITY

Planet's Partner SatRev S.A. leverages Planet data to quickly deliver ready-to-use reports which has minimized the implementation time and increased the time to value.

- The solution provides an alert system that flags new buildings, extensions, or urban land use changes not reflected in the cadaster.
- The Treasury uses these reports to ensure that the reported land use changes match the recorded property tax scheme and plan tax controls.
- Over 1,300 reports have been created. About 30% of reports have already identified incorrect taxation and another 30% require further verification by the Tax Department.

The solution is currently being used by 5 cities in Poland.

RESULTS

INCREASING TAX REVENUES AND PROVIDING A POSITIVE COMMUNITY IMPACT

Since 2020, Wrocław has benefited from these results:

- The project has had a positive impact on the city budget as 2 million PLN have been recovered. Recovered taxes have been used for future investments.
- The project has changed the citizens' approach to paying taxes. Now taxes are paid in full and on time.
- The project completely paid for itself.

“We wanted to ensure our investment in a Smart City initiative drove an immediate impact and that is why we turned to satellite imagery. Through our work with SatRev and Planet, we have not only significantly increased the efficiency of our operations but we also grew our tax revenue. The recovered taxes support the city's investments on an ongoing basis.”

IZABELA PIEKIELNIK

Director of the Tax and Fee Department
City of Wrocław, Poland



LET'S TALK

Find out how this solution can support your city!

Reach out to **Monika Jankiewicz, Account Executive** at monika.jankiewicz@planet.com