

Z-Max.Net – Irreplaceable in Land Consolidation

Land consolidation – Land consolidation is defined as a complex readjustment of land parcels when their boundaries and locations are changed according to a land consolidation plan prepared for a certain territory. The aim is to enlarge land parcels, form rational land holdings of farms to improve their structures, establish necessary infrastructure and implement other goals and tasks for the agricultural and rural development as well as for the environment protection policy.

The present land reform in Lithuania started in 1991 with the main aim to restore the land ownership rights back to what they were when Lithuania was independent (1918-1940). The land ownership rights were restored to the former owners in three ways - in kind, equivalence and compensation.

The preponderance of small and fragmented agricultural land plots, as well as undeveloped infrastructure in rural areas led to the need for land consolidation.

14 land consolidation projects have been started so far in Lithuania. These projects spread over four counties (Telsiai, Taurage, Marijampole, Panevezys) where the restitution of land ownership rights is now 99% complete.



Identifying stream boundaries with Z-Max.Net



Measuring border marks

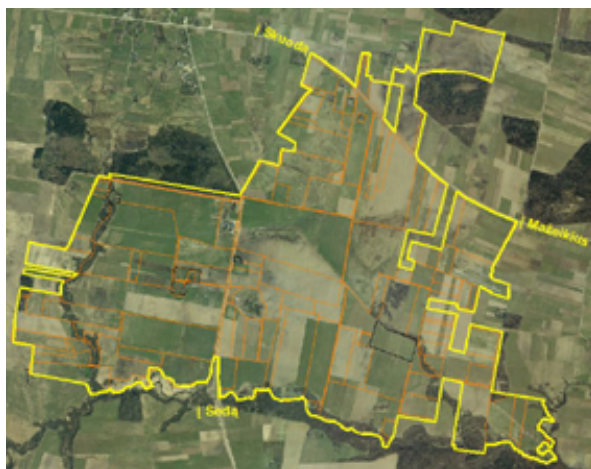
Reasons for land consolidation (as explained by land owners'):

- Enlarge farm holdings.
- Improve farm structures.
- Form compact land tenures.
- Improve local roads network.
- Reduce distances between cultivated land parcels.
- Create territorial base for infrastructure improvement.
- Identify areas where land improvement (mainly drainage) is necessary.

Private company “Matininkas” owned by Saulius Bumblauskas was selected to implement the land consolidation project in the cadastral area of Zidikai and Ukrinai in the Mazeikiai district (Telsiai county). This project is the second of the biggest projects in Lithuania.



Crosses were also surveyed



The project area consists of 685 ha of agricultural land



Z-Max.Net base setup on a roof

General information:

- 120 land parcels are the subject of boundary changes.
- 54 private landowners and 1 trustee of the state-owned land participate in this project.
- 664-ha private and 21-ha state-owned land.
- Biggest land parcel is 39 ha, smallest – 0.11 ha.
- Stream length in the project area is 3 km. Identification of correct stream boundaries with Z-Max.Net begun in early spring, while there were no leaves.
- All border marks, walls of households, power lines, roads and drainage network, culverts and other objects were surveyed with Z-Max.Net within 4 days.

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