Profession of Land Surveyors in the Age of the Technological Revolution

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SUMMARY

Since the earliest times the profession of surveyors has been considered as the ability to perform terrain measurements and to map the measurement results; if necessary - also to restore locations of measured features. The importance of surveying and related cartography was and it is still crucial for development of each country. For many years, the rapid technological development has been also significantly affecting all areas of geodesy, from underground geodesy to the cadastre. Initially, these were modern and accurate methods of distance measurements and digital processing of observation data, then GPS technology, laser scanning and the use of drones for photogrammetric measurements and databases located in clouds. The paper attempts to present the further technological development related to surveying and to indicate surveyors' places in the future.