

Geoskica – Android OS Based Software for Real–Time Creating of Field Sketches

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SUMMARY

Geoskica is an Android application based on the idea of mass collection of surveying data in the field. This approach provides the automated data processing and putting them in operative state at glance. Acquired data are in a digital form, with clearly defined attributes, which presents a base for designing all architectural and civil engineering objects. Data collected in this way can be a perfect base for the electronic standardization of the documentation requested by a National Mapping Authority (NMA). They can be easily converted to a plenty of GIS solutions (municipalities, communal services, road organizations, electrical companies, etc.). We used Eclipse software under Java platform for development of Geoskica. Tablets with Android OS are used as a hardware platform. Geoskica is completely optimized for maximal usage of hardware capabilities and as comfortable as possible field work (processors, memory, battery, resolution...). Our experience and feedback from our customers prove that productivity of the surveying works increase for 85% percent, because of the fact that the data collected in the field are ready for further processing just after the return of the surveyors to the office. We are continuously working on improving the software features, carefully listening to our customers, and discussing with them about the improvements they would like to see in new versions of the software.