

ANALIZA PODATAKA KONTINUIRANOG GNSS MJERENJA NA PODRUČJU JAME TUŠANJ ZA PERIOD 2011-2013. GODINE

Sažetak: Metode GPS/GNSS sve su prisutnije u realizaciji geodetskog monitoringa. Kontinuirani monitoring u zoni uticaja rudarskih radova mogao bi pružiti novi kvalitet u sprečavanju posljedica rudarske aktivnosti. Kontinuirano geodetsko praćenje bilo bi osnova za utvrđivanje trenda konsolidacije terena na osnovu kompleksne analize podataka cjelokupnog monitoringa koji se obavlja.

Problem uticaja rudarske aktivnosti prisutan je i na području Tuzle. U zoni uticaja eksploatacije tuzlanskog sonog ležišta još je aktivan proces pomjeranja terena, tako da se i dalje vrše geodetska mjerenja za praćenje navedenog procesa. U okviru NATO projekta, pored ostalog, nabavljena je, i uvedena u rad, GNSS oprema za kontinuirana GNSS mjerenja. Od 2010. godine, pored periodičnih, vrše se i kontinuirana GPS monitoring stanicu na području Tušnja.

ključne riječi: Monitoring, pomjeranje, eksploatacija, GNSS, referentna stanica, monitoring stanica.

DATA ANALYSIS OF THE CONTINUOUSLY GNSS SURVEYING THE MINING PIT TUŠANJ FOR THE PERIOD 2011-2013 YEAR

Summary: GPS/GNSS methods are becoming more frequent in the implementation of monitoring. Continuous monitoring in the zone affected by mining activities could provide a new quality in the prevention of the consequences of mining activities. Continuous geodetic monitoring would be the basis for the calculation of the consolidation of terrain based on a complex analysis the overall monitoring data which already in progress.

The Problem of influence of mining activities is also present in the Tuzla area. In the zone of influence the exploitation in Tuzla's salt deposits, the process of moving field is still active. and because of that is continues with geodetic measurements and monitor this process. Within of the NATO project, among other things, is purchased and placed in the work GNSS equipment for continuous GNSS measurements. Since 2010., besides the periodic, are performed and performing the continuous GPS measurements too. In order to analyze the possibilities of applying these technologies, we analyzed the data collected by this technology for GNSS monitoring station in the area Tušnja.

Key words: Monitoring, movements, exploitation, GNSS, reference station, monitoring station

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