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GALILEO in Civil Engineering in CEI perspectives: a Pilot Project of MONITOR

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In the frame of Project MONITOR , www.monitorproject.com, of the Galileo Joint Undertaking Second Call, GEONETLAB, University of Trieste, has developed a pilot experiment on GNSS real time positioning and NMEA transmission via GPRS or WIFI to a Local Control Centre, by using various kind of almost wearable or pocket PCs and Smartphone as well as of the DGPS/INS GEONETLAB Mobile Mapping System. The purpose was to demonstrate that GNSS Geodesy is useful to monitor construction yards in order to avoid accidents due to dangerous mutual position of workers and machines. Since the methodology has already tested applications in Tourism and Rescue, the research has also studied the social advantages in CEI area.