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Author: Mr. Jian Xu
Space Advanced Research Team, The Netherlands, r.hsu@head-aerospace.eu

ADVANCED GROUND SURFACE DEFORMATION MONITOR SYSTEM WITH SPACE
TECHNOLOGY

Abstract

ground surface deformation monitor is an quite important for safe control during the metro/dam, etc. construction, in some country, it is an mandatory process, for the construction company, they do not have too much smart way to do it, they hire a lot of operator use the traditional levelling instrument to do the manual test and survey. such a kind of works, cost a lot of money and human resources.

regarding to this real problems, based on the space payload technology, we are working with the user to develop an ground surface deformation monitor based on UAV/small pilot or ground, which is a D-InSAR with data processing system as a core parts of this system. the best advantage of this system is the high accuracy at the mm, it is the top requirement for the civil use.

In the future, this system will start from UAV until to the satellite based, and provide the service world wide.