Registration Date: Sep. 28, 2021 Company Name Synspective Inc. Industry Other Company Informatin Website https://synspective.com/ Tech/Solution Name Land Displacement Monitoring Which field does the Quality Infrastructure and Smart City tech/solution contribute to? Ö Ö O Road/Bridge Port Airport Quality Infrastructure Power generation O Which category can the Water and Sewage 0 Railroad Ö /Energy tech/solution be applied O Housing ICT Others (Free Writing Disaster Prevention Traffic/Mobility O 0 0 Energy Infrastructure Community Activation /Sightseeing Smart City" 0 × Health/Medical Maintenance Which problem can the Agriculture, Forestry and Fisheries 0 × 0 tech/solution solve? Environment Security Urban Planning O O Others (Free Writing Logistics /Maintenance Key words Space, SAR satellite, Disaster management, Infrastructure monitoring, Landslide detection, sinkhole dete Web service to analyze ground deformation in a wide area using satellite data and provide the results. Using our original InSAR analysis technology, we can detect the amount of change and the trend of change in a wide area of ground and civil engineering structures in mm units and display the results in a time series. Overview of the The amount of change can be detected both vertically and horizontally, and past satellite data can also tech/solution be used to view changes over time up to the present. In addition, the system can detect potential sinkholes with its patent-pending technology for identifying potential sinkholes. This technology is also Technology used to monitor infrastructure and detect landslides. Solution By analyzing the phase difference of microwaves emitted from a satellite to the earth's surface at different times, it is possible to measure tiny displacements on the order of millimeters, such as ground deformation, landslides, and changes in artificial structures. In addition, the results of the analysis can be developed as a web service that can be easily operated by anyone, providing an intuitive understanding of which points in a wide area have been displaced, at what time, and to what extent. Discription of the tech/solution Middle Already developed Already developed Already developed Already developed Asia Africa Europe East Glocal Expansion North Mid/South Already developed Already developed Russia Already developed Oceania Already developed America America

