Urban Planning, Civil Engineering & Infrastructures

Engineering projects require constant monitoring from the design to the construction and operation phases. This includes ground stability analysis, work progress tracking, etc.

Service description

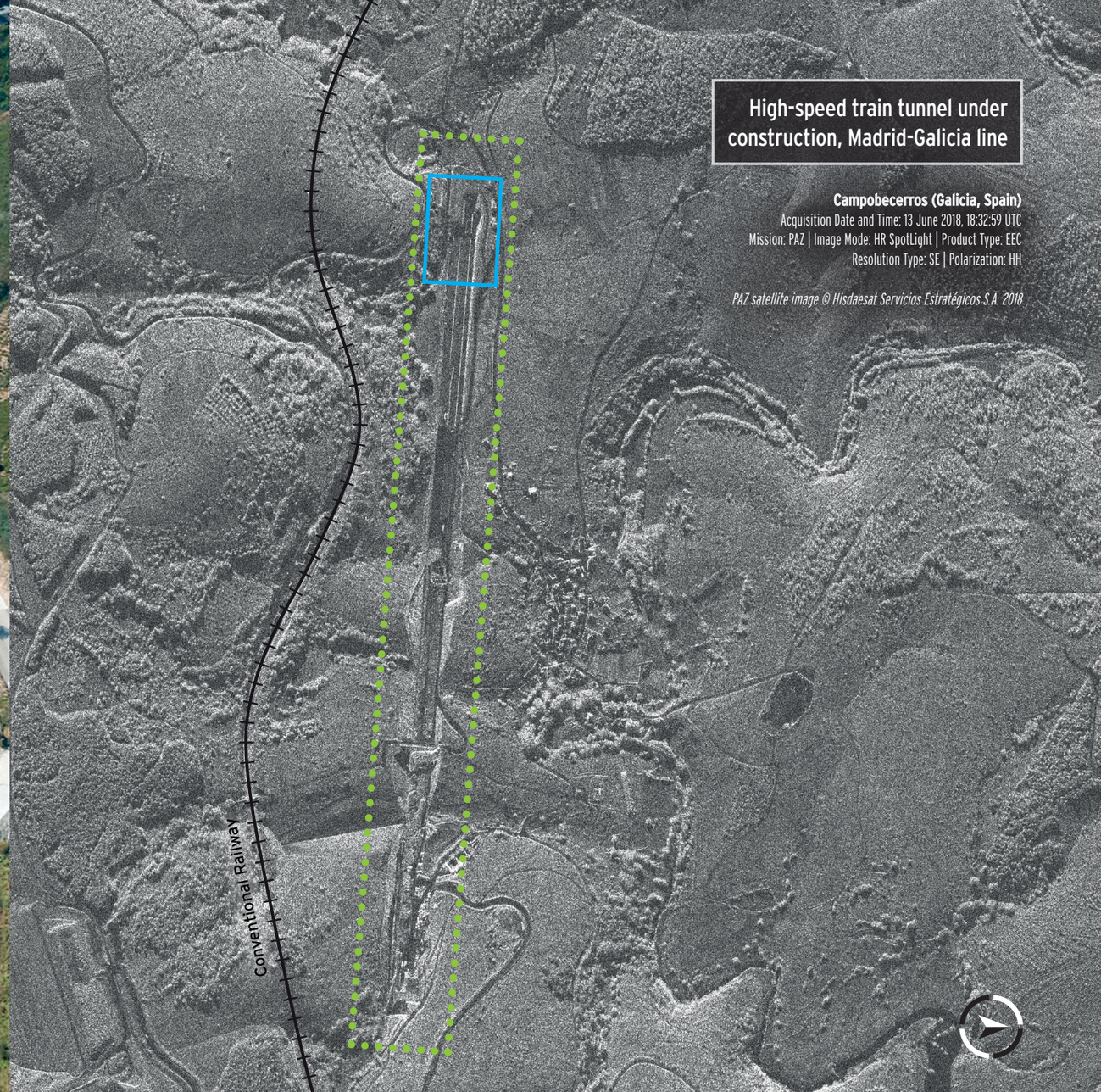
High resolution ground deformation monitoring over building sites, critical infrastructures such as bridges, railways, oil/gas ducts, dams, etc. and overall urban areas affected by underground natural or manmade activities (tunneling, aquifer charge/discharge, karstic processes, etc.). Measurement of deformation speed in mm/year. Work progress monitoring, specially over remote areas.

Benefits

Monitoring of ground deformation, as a complement to site surveying. Assessment of oil/gas infrastructures and exploitation history. Non-collaborative monitoring. Forensic analysis.

Customers

Civil engineering and mining companies, railway operators, urban authority managers, utility companies, etc..



High-speed train tunnel under construction, Madrid-Galicia line

Campobecerros (Galicia, Spain)
Acquisition Date and Time: 13 June 2018, 18:32:59 UTC
Mission: PAZ | Image Mode: HR SpotLight | Product Type: EEC
Resolution Type: SE | Polarization: HH