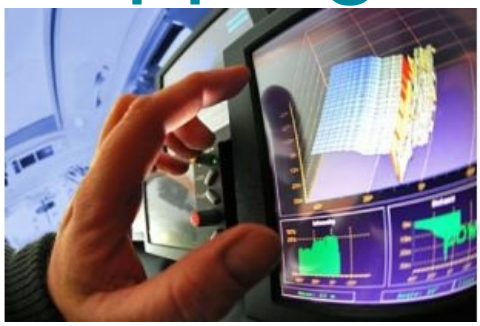
Advancements in Mobile Mapping Research



3D Laser Mapping has been selected to supply its StreetMapper technology as part of a futuristic project to advance mobile mapping. StratAG, based at the University of Ireland, brings together researchers from across Ireland and is focussed around the generic theme of Geospatial Monitoring and Early Warning.

Using Riegl laser scanners supplied by 3D Laser Mapping, StratAG are designing a new generation mobile mapping system, incorporating multispectral cameras, which will be used for tasks including safety risk assessment and environmental impact of road networks, 3D city modelling and environmental monitoring including landslide and flooding.

The Riegl VQ-250 laser scanner has been specifically designed for the rapid 3D mapping of highways, runways, railways, infrastructure and buildings. Already proven within the world's most accurate mobile mapping system StreetMapper, it is a very high speed, non contact profile measuring system using a narrow infrared laser beam and fast line scanning mechanism to deliver a 360-degree field of view with high precision mapping to a range of 300 metres.

StratAG, (the Strategic Research Cluster in Advanced Geotechnologies www.stratag.ie) based at NUI Maynooth and led by Prof. Stewart Fotheringham, brings together researchers from University College Dublin, Trinity College Dublin & Dublin Institute of Technology on a research programme in the area of Advanced Geotechnologies.

The work is focussed around the generic theme of Geospatial Monitoring and Early Warning and consists of four interlinked research strands: Geospatial sensor technology and spatial data fusion, the development of algorithms for spatial data processing and modelling, the development of advanced visualisation techniques for spatial data and the delivery of integrated processed and filtered spatial data to locationally aware devices.