

Top Irish research group invests in LANDINS for Mobile Mapping Research

IXSEA has won a public tender to supply LANDINS, its land-based INS positioning system, for a new mobile mapping system pioneered by StratAG, a research group drawn from the leading third level institutions in Ireland and based at the National University of Ireland, Maynooth (NUIM).

The research group is constructing a state of the art mobile mapping system based around the latest high-grade GPS/IMU, Riegl VQ-250 LiDAR sensors and eight multispectral cameras.

LANDINS, the high-end INS positioning system, is specifically designed for mobile mapping and route mapping applications in dense urban areas, where GPS quality is often poor and the need for geo-referenced information is most critical.

“LANDINS was chosen after public tender for its high performance and competitive pricing,” said Dr Tim McCarthy, NUIM.

The research group plans to use the mobile mapping platform for a variety of tasks including:

- 3D reconstruction of route corridors
- Safety risk assessment of road networks
- Environment impact (emission & noise) analysis along transportation routes
- Macro & micro Traffic Flow control investigation
- 3D urban reconstruction
- Environmental Monitoring (Landslide, Flooding)

About StratAG

StratAG (www.stratag.ie) is an interdisciplinary research group drawn from four universities and led by Prof. Stewart Fotheringham. The main research group is based at National University of Ireland, Maynooth (www.nuim.ie) and is tasked with researching and developing advanced geotechnologies.

About IXSEA

IXSEA provides Inertial Navigation Systems for Land, Air, Marine and underground survey applications. IXSEA has a world-wide presence, with regional offices in every continent and supports its customers on a 24/7 basis.

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