

## LOOKING BACK AT INTERGEO 2013

# Geomatics for Solving Socio-political Issues



The 19th edition of Intergeo, held this year in Essen, Germany, once again showcased the newest technology and trends in geomatics. The combined conference and trade show, which featured over 500 exhibitors, attracted a total of 16,000 participants. The Intergeo conference focused on Germany's energy transition from nuclear power towards alternative sources of energy and the important role of geomatics during that transition. Meanwhile, at the trade show, visitors gained insights into the latest developments in the geomatics industry. An exceptionally high number of UASs and auxiliary devices were on display. The show also highlighted further developments related to 3D façade point cloud handling, large dataset handling and survey equipment.

The transition from nuclear energy towards renewable energy is having a major impact on Germany's energy landscape. Various new plants to produce alternative energy have been developed and built across the country, including solar, wind, biogas, etc. The challenge lies in integrating these 'green' energy sources with the existing energy production. This requires a re-design of the national energy grid, which in turn creates demand for a wide variety of geomatics solutions. Techniques such as photogrammetry, positioning, spatial planning and more have a key role to play in all phases of this huge transition, from planning and construction to daily operations.

On Intergeo's show floor, innovative products were showcased by hundreds of different companies. Trimble, for example, was demonstrating its new Trimble V10 Imaging Rover with an integrated camera system that precisely captures 360-degree digital panoramic images for visual documentation and measurement. The Trimble V10 Imaging Rover includes a total of 12 calibrated cameras, of which seven are panoramic and five are downward-looking. FARO, meanwhile, has increased its scanning range with the newly introduced Laser Scanner Focus3D X 330. The range has been extended to 330 metres, which is about three times greater than previous models, and it includes a Class 1 'eye safe' laser for optimum safety.

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