

GeoSLAM Launches New Innovation for Rapid Urban Mapping



Recently, GeoSLAM announced its latest innovation for rapid urban mapping – the ZEB Discovery. Officially unveiled at Intergeo 2019 in Stuttgart, the ZEB Discovery signifies a new era in data capture and integration of a point cloud with high-resolution imagery. The mapping solution is capable of rapidly capturing intricate data with the use of the company's industry-leading simultaneous localization and mapping (SLAM) technology and NCTech's iSTAR Pulsar [panoramic camera](#) for ultra-high-definition image capture.

The end-to-end solution automatically synchronizes the point cloud with imagery for a unique walk-through of the area of data captured. Combining the two data sources into one view brings a new way to visualize reality for a wide variety of occupations – from surveyors to environmentalists.

Integrating laser and image data

Harnessing a sleek 'clip-and-go' backpack design, the ZEB Discovery works alongside the ZEB Horizon, which was unveiled at last year's Intergeo. This makes it one of the most versatile SLAM solutions available on the market, offering the capability of using a ZEB Horizon in even more ways, whether that's on foot, on an automotive vehicle or an unmanned aerial vehicle (UAV).

Using Orbit software as part of the workflow, the ZEB Discovery integrates laser and image data together to help a number of industries and sectors, from planners when modelling 'smart cities' to utilities operators looking to survey existing or planned assets.

Commenting on its launch, Shelley Copsey, [GeoSLAM](#)'s CEO, said: "As it is one of the most important events in our annual calendar, we are delighted to officially reveal the ZEB Discovery at Intergeo. The ZEB Discoveries are already rolling off the production line and we're excited to see how this solution, with its unique data synchronization makes a real difference to people's businesses."

"Our unique CT SLAM has been commercially available for over six years, and as with all algorithms, the more it is used, the smarter it becomes. This really sets us apart from newer entrants to the SLAM market where a younger, less complex SLAM algorithm is used, or where there is zero flexibility in the way the hardware can be used," the CEO added.