

# New Partnership to Develop Advanced Laser Scanning Technology



CartoConsult recently signed a joint venture agreement with Proteus to develop and promote the use of the latest laser scanning technology. As new systems such as handheld mobile mappers, UAV-mounted sensors and even vehicle guidance systems are launched to market, the partnership will assess their application for real-world projects in a diverse range of industry sectors. The partnership includes completing field tests and developing best-practice references.

With the joint venture between CartoConsult and Proteus, both companies aim to provide a complete solution for clients, initially within the architectural, engineering and property development sectors using a handheld mobile mapping system. By working together, the partnership can offer trained and experienced survey personnel to complete onsite data

capture, cloud based data processing of the millions of individual measurements captured and the creation of highly accurate 3D models and visualisations.

## Benefits

Tim Hughes, CEO and founder of CartoConsult commented working with Proteus to explore the power of new laser scanning systems as they come to market, they can undertake projects in complex and challenging environments where more traditional systems may not be suitable, may not even work or may be considered too expensive or resource hungry.

Laser scanning has, for some time, been considered a game changer for building surveys and other projects, with real world case studies reporting significant reductions in onsite survey times, said David Critchley, Proteus CEO. By working with CartoConsult to deliver an end to end solution utilising the latest technology, the company can offer clients a fast, efficient and accurate way of recording and modelling complex environments. These onsite benefits, coupled with highly efficient and cost effective cloud based data processing, will revolutionise the service they provide, Critchley believes.

## ZEB1

A provider of mapping and geospatial service, Proteus recently announced an exclusive partnership with GeoSLAM, the company behind the handheld mobile mapping system ZEB1, to distribute the laser scanner in the Middle East region and provide laser scanning services globally. An example of the new laser scanning technology being explored by the CartoConsult Proteus partnership, ZEB1 uses robotic technology called Simultaneous Localisation and Mapping (SLAM). With a range of 30 metres and its ability to self-localise, ZEB1 is suited for use indoors, underground and in other covered environments, where traditional solutions that utilise GPS do not function.