

# CHC Navigation Introduces Alpha3D Mobile Mapping Solution



CHC Navigation has announced the launch of the Alpha3D mobile mapping solution, providing leading sensor technologies and CHCNAV GNSS expertise. The solution offers geospatial professionals a high-performance, vehicle-independent mobile mapping solution to capture mass data in continuously changing world environments. This enables them to complete the work quickly and more accurately to increase their ROI.

The Alpha3D combines high-performance hardware, such as a long-range, ultra-high-speed, precise laser scanner, and a high-resolution HDR panoramic camera with an advanced GNSS receiver and high-precision IMU. The instrument is designed to be lightweight and compact, but also have a rugged design, explained George Zhao, CEO of CHC Navigation.

## Combining point clouds and high-resolution images

With Alpha3D, users can collect more data faster, reducing time in the field more than 40% compared to traditional surveying instruments. By combining point clouds and high-resolution images, as well as information from additional sensors, there is no need to return to site for remeasurement, added Andrei Gobb, product manager of mobile mapping solutions.

The mobile mapping solution can be mounted on a variety of platforms, including different types of vehicles, trains, railway trolleys and boats, before collecting the high-density, accurate point clouds and imagery.

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