

Introduction of Next Generation Visual Positioning Technology Brought by Hi-Target

Lance Lan (China, PR)

Key words: Cadastre; Cartography; Geoinformation/GI; GNSS/GPS; Low cost technology; Photogrammetry

SUMMARY

Today, it is very common to use GPS devices for data collection. But it still has its limitations, such as some places where the GPS signal is not good, or when we use RTK technology receiver to do surveying work, the receiver which installed on pole needs to be leveled. By adding GNSS and IMU sensor and camera in the receiver, fusing the data of IMU and image map, and using new algorithm, Hi-Target has greatly improved the operation efficiency of mapping and obtained more comprehensive data in such a short time.

Introduction of Next Generation Visual Positioning Technology Brought by Hi-Target (11645)
Lance Lan (China, PR)

FIG Congress 2022
Volunteering for the future - Geospatial excellence for a better living
Warsaw, Poland, 11–15 September 2022