Applanix POSPac Cloud

Cloud-centric post-processing engine for GNSS-INS and GNSS data

Applanix® POSPac™ Cloud is an online online post-processing engine for GNSS-Inertial and GNSS-only data, used to georeference information collected by mapping sensors such as Cameras, LiDAR, Radar, Multibeam, and other sensors on diverse mapping platforms.

As a cloud-centric version of Applanix POSPac Desktop, POSPac Cloud caters to OEMs, fleet customers, and those embracing a cloud-first strategy. Built with a robust API and secure, redundant architecture, POSPac Cloud reliably and automatically processes Trimble® Applanix Hardware (GNSS-INS) data and third-party kinematic Rinex Rover data via the internet. POSPac Cloud features Post-Processed Trimble CenterPoint® RTX and LiDAR QC Tools.

Direct georeferencing

POSPac Cloud delivers the benefits of Direct Georeferencing:

- Achieve high accuracy position and orientation ready for map production, minutes after data collection.
- Eliminate or reduce the need for Ground Control Points.

Why post-processing?

POSPac Cloud post-processing produces a higher accuracy trajectory and more robust georeferencing that can be generated in realtime, all within minutes of data collection.

- It uses "gap-free" dedicated base station data or that from a CORS service instead of corrections over a radio link that can be jammed or interrupted.
- It uses the inertial data to bridge outages in the rover GNSS receiver data to ensure a continuous, gap-free position and orientation solution.
- It improves the accuracy of both the position and orientation (especially heading), by running the data forward and reverse in time.

Industry-leading software

POSPac Cloud is integrated with industry-leading Applanix IN-Fusion®+ GNSS-Aided Inertial processing technology for:

- Robust, centimeter-level position and orientation information worldwide without reference stations.
- Maintaining full accuracy before and after GNSS outages.
- No restriction on the minimum number of satellites.
- Leveraging latest satellite navigation signals with Trimble ProPoint® GNSS technology.

Your benefits

- Intelligent automation.
- Up-to-date POSPac engine.
- Hassle-free licensing.
- On-demand resources.
- Cost-effective, volume discount.
- Stay focused, avoid manual tasks.

Key Features

- Simple-to-use API with XML interface and credential manager.
- Pay-per-use of subscription model.
- Post-Processed Trimble CenterPoint RTX Service
  - Saves the cost of setting up dedicated reference stations.
  - Map in areas without the availability of CORS or VRS networks.
- Centimeter-level post-processed DGNSS position accuracy.
- Smart RTX base station positioning using static Trimble CenterPoint RTX.
- Leverage GNSS database of 13,000+ stations worldwide.
- LiDAR QC tools support.
  - Optimize your GNSS-INS trajectory with LiDAR SLAM.
- 24/7/365 server monitoring.
- Subscribe to POSPac Cloud health check.
  - Notifications about maintenance work.

Trimble®