On-Demand Positioning-as-a-Service with Trimble Catalyst

Trimble has announced that its Trimble Catalyst software-defined Global Navigation Satellite System (GNSS) receiver for Android devices is now available through Trimble's global distribution network. Customers can now access Positioning-as-a-Service to collect geo-location data with Trimble or third-party apps on smartphones, tablets and mobile handhelds. When combined with a small, lightweight, plug-and-play digital antenna and subscription to the Catalyst service, the receiver provides on-demand GNSS positioning capabilities to transform consumer devices into centimetre-accurate mobile data collection systems

Catalyst extends the accessibility of Trimble's high-accuracy positioning to a broader base of users easily and with only a few components, which include any location-enabled mobile app, a Catalyst subscription, with accuracy options ranging from one-meter to centimetre level and Trimble's small, lightweight DA1 antenna that plugs directly into Android smartphones and tablets.

Broader base

The company's goal has always been to extend the accessibility of high-accuracy positioning to a broader base of geospatial and non-geospatial professionals, said Ron Bisio, vice president of Trimble Geospatial. Trimble Catalyst represents a new era of GNSS technology by making high-precision positioning a reality for new user segments around the world. With economical on-demand service, it puts high-accuracy in the palm of anyone's hand, Bisio added.

The Trimble Catalyst solution includes a software development kit (SDK) for building mobile applications with integrated professional workflows. Both Trimble and third-party development teams have produced a range of Catalyst-enabled applications for Geographic Information System (GIS) data acquisition, cadastral land management, topographic mapping and ground control for unmanned aircraft systems (UAVs).

Trimble is enabling to deliver better solutions for our customers thanks to the level of integration that the SDK provides, said Paul Brodin of Korec Group. It allows to provide sophisticated solutions that are innovative, easy to use and remove the technical complexity associated with high-accuracy workflows.

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