



# SATSURV

— Flexible and intuitive fieldwork software

# The professional field surveying software

---

*Satsurv is a customized and easy-to-use Android software for field surveying tasks, such as Detail Survey, Data Stakeout, Cadastral Surveying, Road Design and Data Management. It supports tilt survey, quasi-dynamic, PPK and static surveying mode. Equipped with built-in NFC, Bluetooth, FTP functions, Satsurv provides an industrial solution for efficient fieldwork.*

## Road measuring Functions



Road design

Road Design supports Centerline, Profile, Cross-Section, Side-Section, Broken Chainage, and Construction Design function.



Cross-Section

Cross-Section provides Intersection, Element and Coordination Road Algorithms so that users can survey and store the cross-section points in Store Cross-Section to get the undulating terrain.



Road Stakeout

The Road Stakeout interface of Satsurv provides road overview and cross-section perspective and users can switch it according to different road stakeout requirements. It can also display the stakeout point mileage, offset and elevation information.



Calculation Gadgets

The built-in Transition curve, Volume, Angle Calculation, Distance and other tools support parameter calculation, which will improve the efficiency of road engineering measurement.

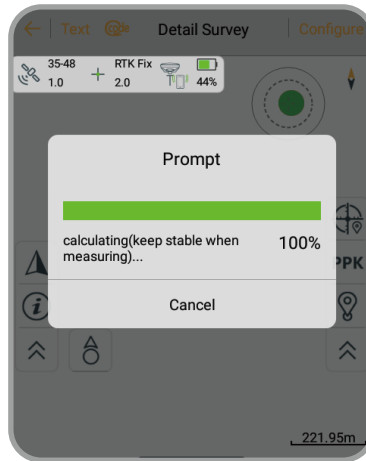




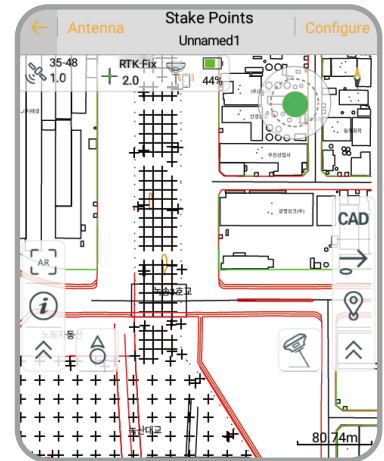
# KEY FUNCTIONS



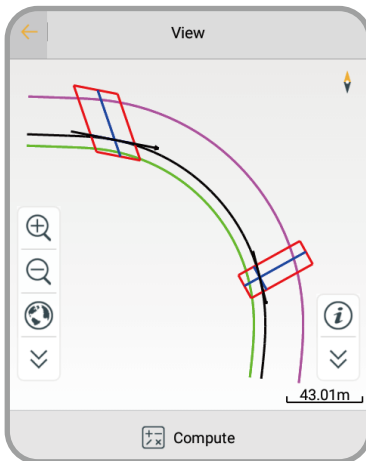
Tilt Survey



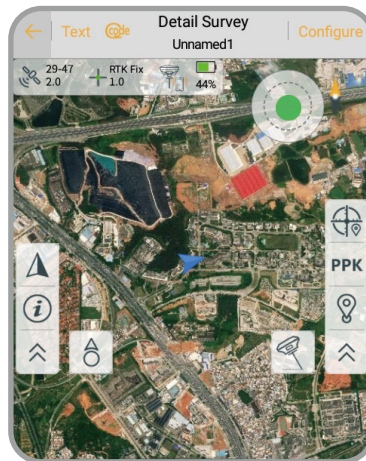
Quasi -dynamic Survey



CAD Stakeout



Road Design View



WMS



AR Stakeout

## Detail Survey

Satsurv supports a variety of collection methods, such as tilt survey, quasi-dynamic survey, PPK collection and static collection, etc. In the detail survey interface, users can set the collection accuracy, stakeout standard, or check the current number of satellites, solution status, age of correction, positioning accuracy, etc.

## Data Stakeout

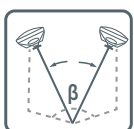
Advanced AR stakeout function will help users improve the efficiency and accuracy of data staking out without focusing on the software interface in real-time. With the intelligent voice prompts, users can accurately determine the direction of data stakeout forward with a built-in compass. Data Stakeout also supports access to DXF, DWG format data for point stakeout and line stakeout. By the object snap functions of INT, TAN, PER, NOD, user can achieve data stakeout easily.

## Data Management

Data Management supports Google Maps, Google Satellite Maps, GIS Offline Maps, and OGC map service of WMS, TMS, WCS, and WFS as data collection maps. Besides, it supports access to third-party rangefinders to achieve a more accurate measurement of distance and angle.

## Shortcut Methods

Satsurv provides some shortcut methods to facilitate users' operation, such as triggering a Bluetooth connection by using NFC shortcut mode without searching for the device number, quickly registering and opening a latest saved coordinate system via QR code scanning. With the FTP transmission, users can transfer documents in the same network environment without connection cables.



Tilt survey



Quasi-dynamic survey



PPK



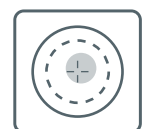
CAD Stakeout



Road design



AR stakeout



Electronic bubble

# KEY FEATURES

## Operating systems

Android 2.3.3 or above

## Supported instruments

Satlab GNSS RTK receiver  
Satlab Android handheld controller  
3rd-party Android devices

## Background maps

Google maps  
Google satellite  
Google hybrid  
Google terrain  
GIS map

## Project management

Project info  
Coordinate system management  
Parameters calculation  
Code list

## Data management

Collection data: Point, line, polygon  
Import format:  
\*.DXF, \*.TD2, \*.SHP, \*.KML, \*.DWG  
Export format:  
\*.TXT, \*.CSV, \*.SHP, \*.DAT, \*.ASC,  
\*.KML, \*.NCN, \*.geojson.  
Road data:  
\*.ROAD, \*.Xml, \*.BCP, \*.SEC, \*.PM,  
\*.ICD, \*.PHI, \*.XY, \*.HJD, \*.ZLINE,  
\*.PVI, \*.TPL, \*.BPI, \*.BCI

## Surveying methods

Static  
Detail survey  
Tilt survey  
Quasi-dynamic survey  
PPK survey  
Mapping survey

## Road survey

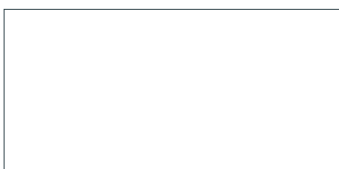
Road design  
Road stakeout  
Store cross-section  
Cross-section points  
Surface  
Elevation difference

## COGO

Angle  
Distance  
Coordinate system  
Area  
Dist and Azi  
Intersection  
Angle calculation  
Volume  
Point and line  
Calculator  
Share  
FTP  
Compass

## Language

Support over 10 languages  
Bulgarian  
German  
Greek  
English  
Spanish  
Iranian Farsi  
French  
Hungarian  
Italian  
Japanese  
Lithuanian  
Polish  
Portuguese  
Romanian  
Russian  
Turkish



[www.satlabgeo.com](http://www.satlabgeo.com)

**Headquarters:**  
Stora Ävägen 21  
436 34 ASKIM, Sweden  
[info@satlabgeo.com](mailto:info@satlabgeo.com)

**Regional Offices:**  
Budapest, Hungary  
Ankara, Turkey  
Dubai, UAE  
New Delhi, India  
Scottsdale, USA  
Tokyo, Japan  
Hong Kong, China