

The Next Step Forward in Drone Surveying



# Worksite Intelligence

with PPK

TRANSFORMING THE WAY THE WORLD WORKS



Consultoría de Gestión  
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app-projectconsulting.com

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[trimble.com](http://trimble.com)



# Trimble Stratus

Survey-grade accuracy with less hassle and expense



Trimble® Stratus is the next step forward in drone surveying—accessible to everyone and highly accurate. It allows you to measure the progress and productivity of your site and manage cost and quality easier than ever before.

Get consistent results, quantifiable savings, and the confidence you need to map, measure, and manage your worksite yourself.

Trimble Stratus, together with the Phantom 4 RTK drone made by DJI, takes the complex process of drone surveying and streamlines it into three simple steps:



**Place**



**Fly**



**View**

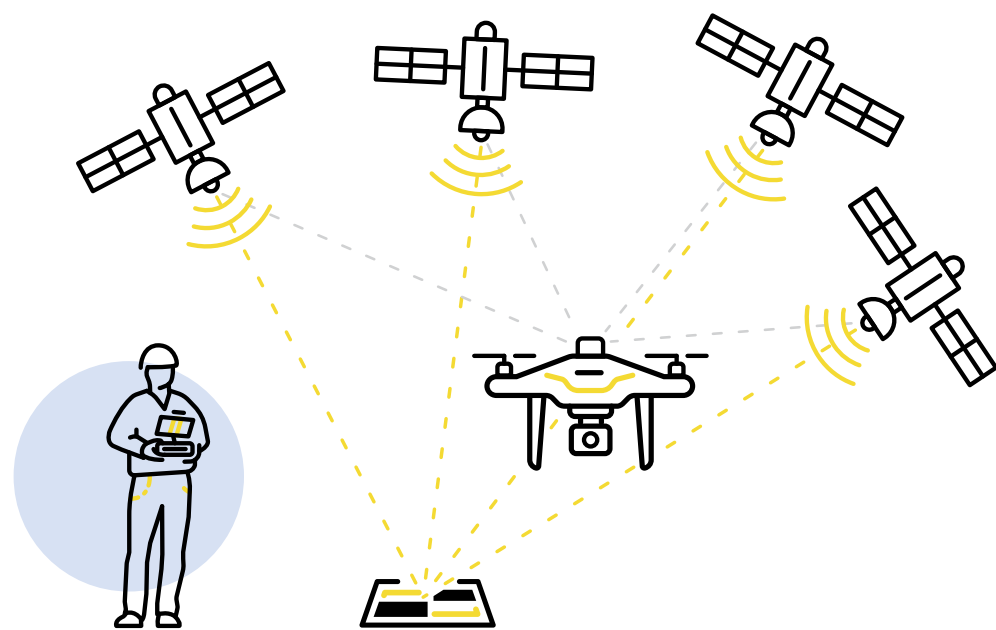
Trimble Stratus saves you time and money, while delivering highly accurate, verifiable survey data that you and your team can understand and trust.



# PPK Accuracy



Verifiable, trustworthy data is everything in surveying. Trimble Stratus is the solution that gives you useable data about your site in less time and with less hassle.

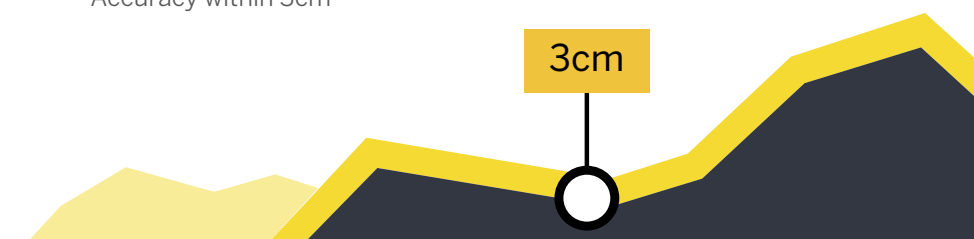


With PPK, one AeroPoint on the ground acting as a passive base is all you need. The drone logs GNSS raw data. Your base is also recording raw data.

The GNSS data files are post processed, and time stamps (event markers) are used to accurately geotag the images. So with just two tools, GNSS and a drone, you can achieve survey-grade accuracy easier and in less time.

## High Precision with PPK

Accuracy within 3cm





# The New PPK Workflow



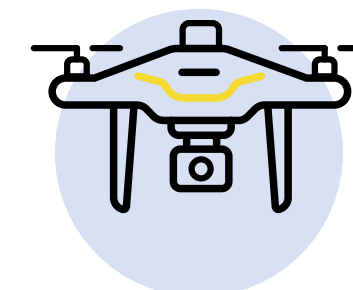
All you need to survey is a PPK drone, an AeroPoint and Trimble Stratus software.

## WHEN YOU'RE READY TO FLY YOUR SITE

Trimble Stratus takes care of all the data processing and modeling, so you can focus on what's most important: **measuring and managing your site.** Get consistent results, quantifiable savings, and the confidence you need to map, measure, and manage your site with the Trimble Stratus PPK workflow.



**Place**  
your AeroPoint nearby  
and turn it on



**Fly**  
your drone



**Send**  
Trimble Stratus the data  
to process, then view  
your 3D site survey

## SIMPLE SET UP

No more planning out your ground control placement, just set an AeroPoint on a known point.

## CUT DOWN ON OVERALL SURVEYING TIME

No more wasted time placing and retrieving GCPs from all over your site.

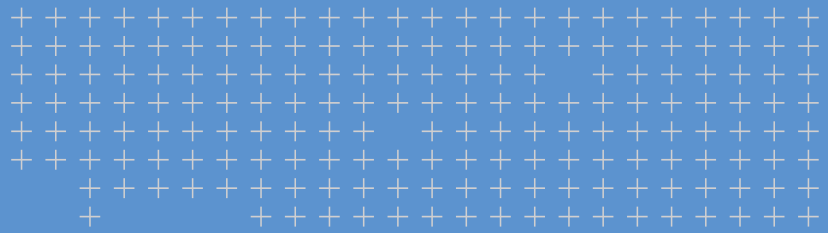
## JUST PLACE, FLY, VIEW.

### Aeropoints serve three important purposes:

- 1 As ground control points, AeroPoints serve as visual ground control
- 2 A base station to record raw GNSS data to be post processed against the Phantom 4 RTK drone
- 3 As a way to utilize local coordinate systems on your work site, all you need to do is place one AeroPoint on a known point, and Trimble Stratus can correct the data







# Phantom 4 RTK Features

The Phantom 4 RTK comes with 360-degree obstacle avoidance, so it can avoid crashes during flight. Its automatic return-to-home function means it will always land where you started. The camera's one-inch sensor increases image clarity and reduces noise for excellent aerial imaging of your site.

If you want survey-grade accuracy without the hassle, contact us today at [construction.trimble.com](http://construction.trimble.com).

