



# TRIMBLE VRS NOW RTK SHOULD ALWAYS BE THIS EASY

## VRS RTK SERVICE

- > WHEREVER YOU NEED IT
- > WHENEVER YOU NEED IT

# TRIMBLE VRS NOW

IT'S ALWAYS ON. WHEREVER YOU NEED IT.  
IT'S ALWAYS ON. WHENEVER YOU NEED IT.



## Unsurpassed Accuracy and Reliability

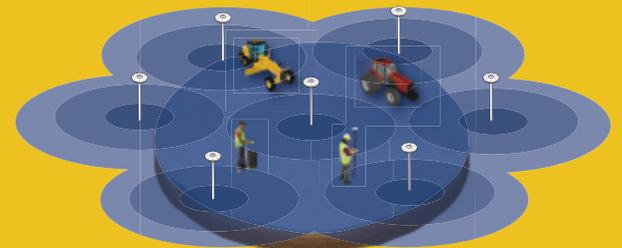
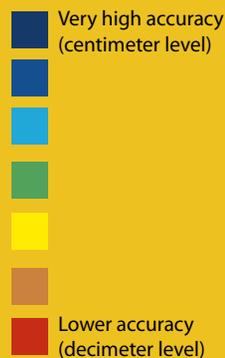
Trimble® VRS Now™ service is a convenient service that provides positioning professionals in a variety of industries with instant access to real-time kinematic (RTK) corrections utilizing a network of permanent (fixed) continuously operating reference stations. The VRS™ method extends the use of RTK to a whole area within a reference station network. Centimeter level accuracy is now available on demand, anywhere in the network. Trimble VRS Now delivers unsurpassed accuracy with unmatched reliability. It's highly cost effective and efficient, super convenient, simple to use and, best of all, it's always on.

## How it Works

A network of Trimble reference stations is permanently placed (typically 50–70 km apart) throughout a particular region. A Trimble VRS Now subscriber powers up his or her GPS/GNSS receiver and a “virtual” reference station is generated for that individual receiver. A Trimble VRS Now central server uses Trimble proprietary software to create a correction model for the specific region that is covered by the VRS network. Observation data from the set of fixed Trimble reference stations is transmitted to the Trimble VRS Now central server. Highly sophisticated models are applied in order to significantly reduce the atmospheric disturbance on the satellite observations. The network processor performs integrity checks on all observables, while quality checks are carried out on the data from each fixed reference station. Once the integrity of the data has been verified, a set of standard format correction messages is created as if they are coming from the virtual reference station. Those RTK corrections are then transmitted to the receiver via a cellular modem. It's quick, too. Once you power on your receiver, you will receive corrections within seconds.



SINGLE BASE RTK OR NETWORK OF  
STANDALONE RTK REFERENCE STATIONS



TRIMBLE VRS NOW



## TRIMBLE VRS NOW TAILORED TO YOUR REGION.

1

### CONNECT

Just power up your receiver and connect to the system.

2

### CORRECT

Trimble VRS Now delivers centimeter-accurate corrections tailored to your geographic location.

3

### MEASURE

Complete your entire project more efficiently without having to set up a field base station.

### Accurate and Reliable Correction Data—Wherever You Need It and Whenever You Need It

The data from the fixed reference stations is used to model errors throughout the entire region. The model is then used to create a virtual reference station near your current location. That way, you receive a “localized” set of standard format correction messages for your receiver. Since the error models are updated every second, all receivers are provided with an optimal correction model immediately after connecting to the network. This ensures a highly accurate, high quality correction. Every single time.

### What this Means for You

All reference stations used in a VRS system are interpreted as a network of continuously operating reference stations. The differentiating factor is the user that accesses a VRS network gets a full network solution rather than a single base station solution or a network of base stations working independently. Accuracy is no longer a function of distance to the nearest base station because you are always near a virtual station. The position accuracy is maintained as long as the user stays within the VRS network. It also means that you no longer have to set up a field base station. That saves you both time and money. And, because the network is professionally managed, it’s monitored 24/7 to ensure peak performance, incomparable reliability and the highest accuracy. Always.

### Why Trimble?

Trimble was pioneer in RTK technology in the early 1990s as a means of delivering high accuracy corrections for field applications. In the two decades since, RTK has become the industry leading methodology for centimeter level positioning. In its continued commitment to enhance accuracy and customer productivity, Trimble introduced VRS technology in 2000, and shortly after that, its Trimble VRS Now service. Today, Trimble VRS is the most widely used and broadly accepted RTK solution in the world.

# TRUST TRIMBLE'S PROVEN TECHNOLOGY

## TRIMBLE VRS NOW SERVICE

### Accurate and Reliable Positioning Data

Today, a variety of industries, including precision agriculture, construction, mapping and GIS, government, cadastral, utilities and transportation—just to name a few—now require centimeter positioning in real time.

### Trimble® VRS Now™ service—the world's standard for Network RTK

#### Proven technology

The most reliable and accurate service on the market today.

#### It's always on

You don't have to worry about losing precious work time because of downtime.

#### Reliable data communication

It's convenient—any cellular phone provider can be used.

#### Fast RTK initialization and high accuracy over long distances and harsh terrain

A virtual reference station is created at the exact position of your receiver so corrections are tailored to your specific location.

#### Professionally managed and secure

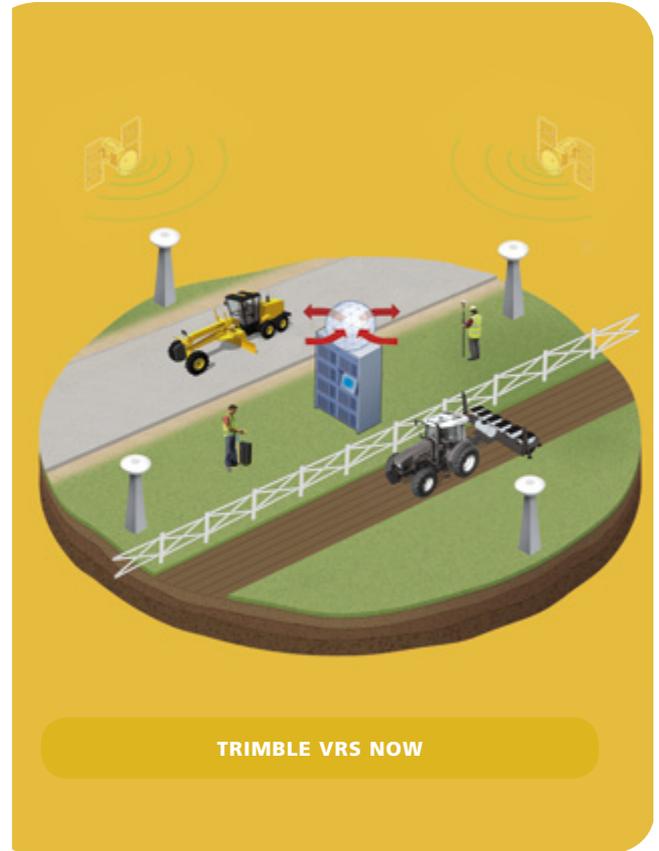
You don't have to worry about the reference stations—it is taken care of for you.

#### Highly cost effective, convenient and easy to use

No need to purchase or set up a base station.

#### Extremely efficient

Streamline your workflows by getting the job done the first time and by avoiding repeat trips back into the field.



## Technology • Innovation • Accuracy • Reliability • Efficiency • Expertise



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