

NETWORK RTK / VRS SERVICE

TruePoint.CM

Real-time centimetre GNSS corrections

TruePoint.CM
Correzione RTK in tempo reale
Precisione centimetrica. Sempre.

RETE STAZIONI PERMANENTI

TruePoint.CM
Network RTK / VRS
NTRIP 1.0/2.0

RTK FIX
0.02 m

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NTRIP 1.0/2.0

RTK FIX
0.02 m

Agricoltura di precisione
Guida automatica e massima efficienza

TruePoint.CM
Network RTK / VRS
NTRIP 1.0/2.0

Rilievi con UAV
Dati accurati per mappe
e modelli 3D

TruePoint.CM
Network RTK / VRS
NTRIP 1.0/2.0

Controllo macchine
Movimento terra preciso e produttivo

TruePoint.CM
Network RTK / VRS
NTRIP 1.0/2.0

RTK FIX
0.02 m

Robotica e sistemi autonomi
Navigazione affidabile in ogni ambiente

TruePoint.CM
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NTRIP 1.0/2.0

Monitoraggio infrastrutture
Sicurezza e controllo in tempo reale

COPERTURA GLOBALE

STATI UNITI

EUROPA

AUSTRALIA
NUOVA ZELANDA

Supporto al sistema di riferimento ETRS89 per l'Europa

PRESTAZIONI DEL SERVIZIO

2 cm Precisione planimetrica (RMS)	3 cm Precisione altimetrica (RMS)	> 99,9% Disponibilità del servizio	24/7 Operatività continuativa	1 Hz Aggiornamento ogni 1 secondo
GPS	Galileo	GLONASS	BeiDou	QZSS

Network RTK/VRS service providing NTRIP corrections to compatible GNSS receivers without installing a local base station.

Centimetre accuracy

Real-time corrections

Multi-GNSS compatibility

No local base

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PRODUCT OVERVIEW

TruePoint.CM



Network RTK / VRS Service

TruePoint.CM processes data from a permanent GNSS station network and delivers RTCM 3.3 MSM4 corrections over the Internet. It supports multiple constellations, NTRIP 1.0/2.0 and global or local references.

Designed For

- Professional GNSS rovers
- UAV systems
- Robotic platforms
- Smart agricultural machinery
- Machine control systems
- Outdoor autonomous systems

01

RMS Accuracy

Up to 2 cm horizontal and 3 cm vertical accuracy.

02

Standard Access

Internet connection through NTRIP 1.0 or 2.0 with RTCM 3.3 MSM4 corrections.

03

Continuous Service

Over 99.9% availability, 24/7 operation and one-second updates.

04

Wide Coverage

Available in Europe, continental USA, Australia and New Zealand.

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OPERATIONAL BENEFITS

TruePoint.CM

01

Reduced Errors

Differential corrections reduce errors associated with conventional GNSS positioning.

02

Higher Productivity

Supports field surveys and operations without deploying a local GNSS base.

03

Precise Automation

Provides centimetre-level data for guidance, path control and autonomous systems.

04

Open Integration

Uses NTRIP and RTCM protocols supported by compatible professional GNSS systems.

05

Flexible References

Supports ITRF2008, WGS84, ETRS89 in Europe and local reference systems.

06

Secure Transfer

Supports encrypted TLS transmission of correction data.



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RECOMMENDED USE / METHOD SELECTION

Network RTK / VRS Service

The network observes GNSS constellations, calculates Network RTK/VRS corrections and sends them over the Internet to the user's receiver.

METHOD	PRINCIPLE	DEPTH	SPEED	NOTE
Network RTK	Corrections from permanent station network	—	1 Hz	VRS solution
NTRIP	Internet transport of correction data	—	Real time	Versions 1.0 and 2.0
RTCM	Standard GNSS correction messages	—	1 s	RTCM 3.3 MSM4



Recommended for professional applications requiring real-time centimetre GNSS positioning with a compatible NTRIP/RTCM receiver and Internet connection.

APPLICATIONS

TruePoint.CM

The service integrates high-accuracy positioning into surveying, control and automation operations.



01

Surveying and GIS

Surveying, mapping, cartography and monitoring without installing a local base.

02

UAV

Precise positioning for photogrammetry, environmental surveys, infrastructure and archaeology.

03

Agriculture

Automatic guidance, precise seeding, optimised operations and reduced waste.

04

Robotics

Positioning for mobile robots, path control, geofencing and outdoor systems.

05

Guidance and V2X

Centimetre GNSS data for autonomous driving and cooperative vehicle-infrastructure systems.

06

Earthmoving

Machine control for excavation, construction and infrastructure work.

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TECHNICAL SPECIFICATIONS

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PERFORMANCE	
Horizontal accuracy RMS	2 cm
Vertical accuracy RMS	3 cm
Service availability	>99.9%
Operation	24/7
Update interval	1 s

CORRECTIONS AND ACCESS	
Correction type	Network RTK (VRS)
Access protocol	NTRIP 1.0, NTRIP 2.0
Correction format	RTCM 3.3 MSM4
EU, AU, NZ caster	eupnt.true-point.com
USA caster	uspnt.true-point.com
Security	TLS transmission supported

GNSS AND REFERENCES	
GPS	L1C/A, L2P(Y), L5
GLONASS	G1, G2
BeiDou	B1I, B1C, B2a, B3I
Galileo	E1, E5a, E5b, E6
QZSS	L1, L2, L5
Reference systems	ITRF2008, WGS84, ETRS89, local

COVERAGE	
Europe	Excludes Belarus, Ukraine and Russia
USA	Continental United States
Australia	Supported

Signals can be customised according to customer requirements. ETRS89 is available only in Europe. Performance requires compatible devices and suitable operating conditions.

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MORE THAN AN INSTRUMENT

Novatest services

Operational support covers account start-up and connection of compatible GNSS devices.

01

Compatibility Check

Verification of receiver compatibility with NTRIP and RTCM.

02

GNSS Setup

Assistance with professional receiver configuration.

03

NTRIP Connection

Support for credentials, caster, port and mountpoint setup.

04

Visit the Website

Visit www.truepoint-rtk.net for technical information and service details.



NOVATEST
Engineering Solutions

TRUEPOINT.CM
Network RTK / VRS

**Centimeter-level accuracy.
In real time.**

GNSS corrections via NTRIP • Multi-GNSS • No local base station

[DISCOVER THE SERVICE](#)

Request information

Contact Novatest to learn more about features, availability and applications.

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