

POWERED BY

**Aptella**  
AUTOMATION +  
POSITIONING TECH



# NETWORK GNSS SOLUTIONS





### What is AllDayRTK?

AllDayRTK records and distributes GNSS position correction information using a network of Continuously Operating Reference Stations (CORS).

AllDayRTK is purpose-built to meet the rigour and quality required for the demanding tasks of all geospatial applications and civil infrastructure projects across Australia and New Zealand.

### How does AllDayRTK provide better reliability?

AllDayRTK uses state-of-the-art processing platforms across multiple servers and data centres to provide efficient, low-latency processing and highly available robust infrastructure. Backed by professional support services, AllDayRTK helps you get the job done now as well as support future applications.

### Why are accurate GNSS Heights difficult to achieve?

The ionosphere is the cause of the largest errors in Differential GNSS. As a good rule of thumb these errors are often expressed in parts per million (ppm) where 1ppm equates to 1mm per km.

By including CORS sites from Aptella with government owned sites, we can provide redundancy, independent of government infrastructure. Our sites ensure low-latency data transfer for instantaneous processing.

Importantly, by including additional sites in high-activity growth areas, AllDayRTK customers typically benefit from shorter baselines that reduce distance-dependent GNSS error sources. In this way, AllDayRTK can claim improvements in GNSS height performance.

### AllDayRTK Products

- > Plus – premium national product for multi-GNSS, RINEX and web tools
- > Site – flexibility to choose a suitable package at specific site locations
- > Focus – managed services for major projects
- > RINEX – customers who only require post-mission RINEX products



AllDayRTK Products / Services				
Features	AllDayRTK Plus	AllDayRTK Site	AllDayRTK Focus	AllDayRTK RINEX
Account Services				
Subscription Management	●	●	●	●
Live Status	●		●	
RINEX	●		●	●
Constellations				
GPS + GLONASS	●	●	●	●
+ Galileo + QZSS + BeiDou	● *	● *	● *	● *
Network Infrastructure				
Type	Nation Wide	Single Site	Managed Project Site	
Message Types				
MSM5	●	●	●	
RTCM30	●	●	●	
DGPS	●	●	●	
CMR+	●	●	●	

\* Site hardware dependent



# AIIDayRTK PLUS

## Premium national product for multi-GNSS, RINEX and web tools

AIIDayRTK PLUS is a premium national product that includes access to multi-GNSS signals, from all available CORS. AIIDayRTK supports applications from autonomous public transport to Internet of Things (IoT) and remotely piloted aircraft (RPAS), with RINEX data for post-mission and web-based support tools.

Our annual subscription service offers convenient, scalable access to network RTK positioning. We offer volume discounts on multiple subscriptions to provide cost effective solutions to meet your project and site requirements.

### AIIDayRTK PLUS Advantages

- > Premium national product with access to all available sites and services
- > Full multi-GNSS support (all available signals and constellations)
- > Access to Live status and sub administration modules to track live operational and subscription status
- > Access to unlimited RINEX data from all CORS bases, with automated RINEX processing through Topcon Field (formerly MAGNET Field)

“ We don’t seek quotes from all service providers to find the best price anymore because GNSS corrections are not just a vanilla product – we go straight to AIIDayRTK because we know we get quality and service that suits our specific needs.



## AIIDayRTK Site

### Flexibility to choose a suitable package at specific site locations

AIIDayRTK Site helps our customers working at specific site locations with the flexibility to choose a site package suitable for combinations of multiple machines and rover kits over defined time periods.

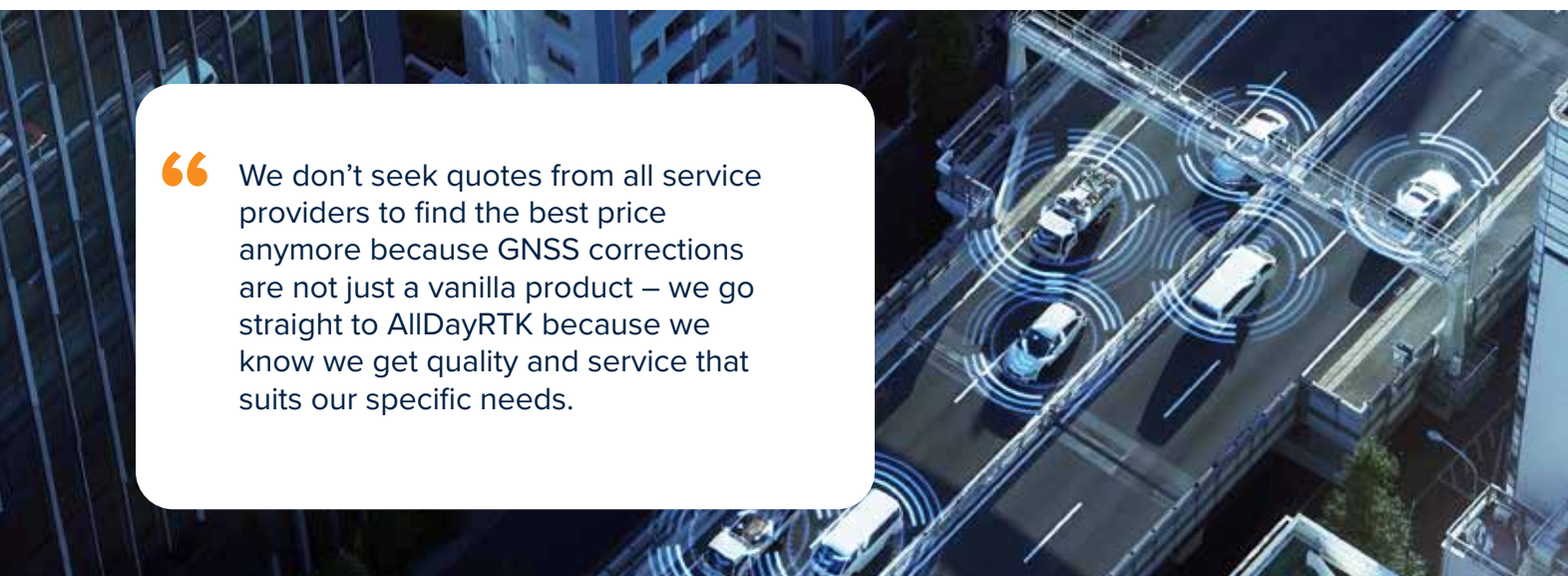
AIIDayRTK Site ensures all GNSS machine control systems and survey rovers have access to the network for accurate positioning over the duration of the project.

### AIIDayRTK Site Advantages

- > Flexible subscriptions options for a specific job site
- > Sub administration module for managing multiple machines and rovers



“ AIIDayRTK Site provides our team with the reliability and flexibility to bring any piece of equipment to a specific site for any amount of time.





# AllDayRTK Focus

## Managed services for major projects

AllDayRTK Focus is a managed service specifically designed for major projects, delivering site-wide network GNSS positioning with maximum reliability and accuracy.

By supplementing existing AllDayRTK network infrastructure with dedicated site bases, AllDayRTK Focus offers a tailored network positioning solution with managed signal access for specific project teams.

Hosted on a secure, local server and backed by Aptella's dedicated team of positioning experts, AllDayRTK Focus delivers ultimate network stability, rapid deployment and project support.

AllDayRTK Focus helps to manage machines, foreman and sub-contractors working at project sites from one simple package.

## AllDayRTK Focus Advantages

- > Access to all Multi-GNSS Signals (GPS + GLONASS + QZSS + BeiDou + Galileo)
- > Project wide RINEX data and automated RINEX processing through Topcon Field (formerly MAGNET Field)
- > Web support tools, Live status for sites, machines and rovers,
- > Sub administration module for detailed management of log-ins and sub-contractors
- > Customised reporting tools
- > Geo-fence features for automatic access to sites



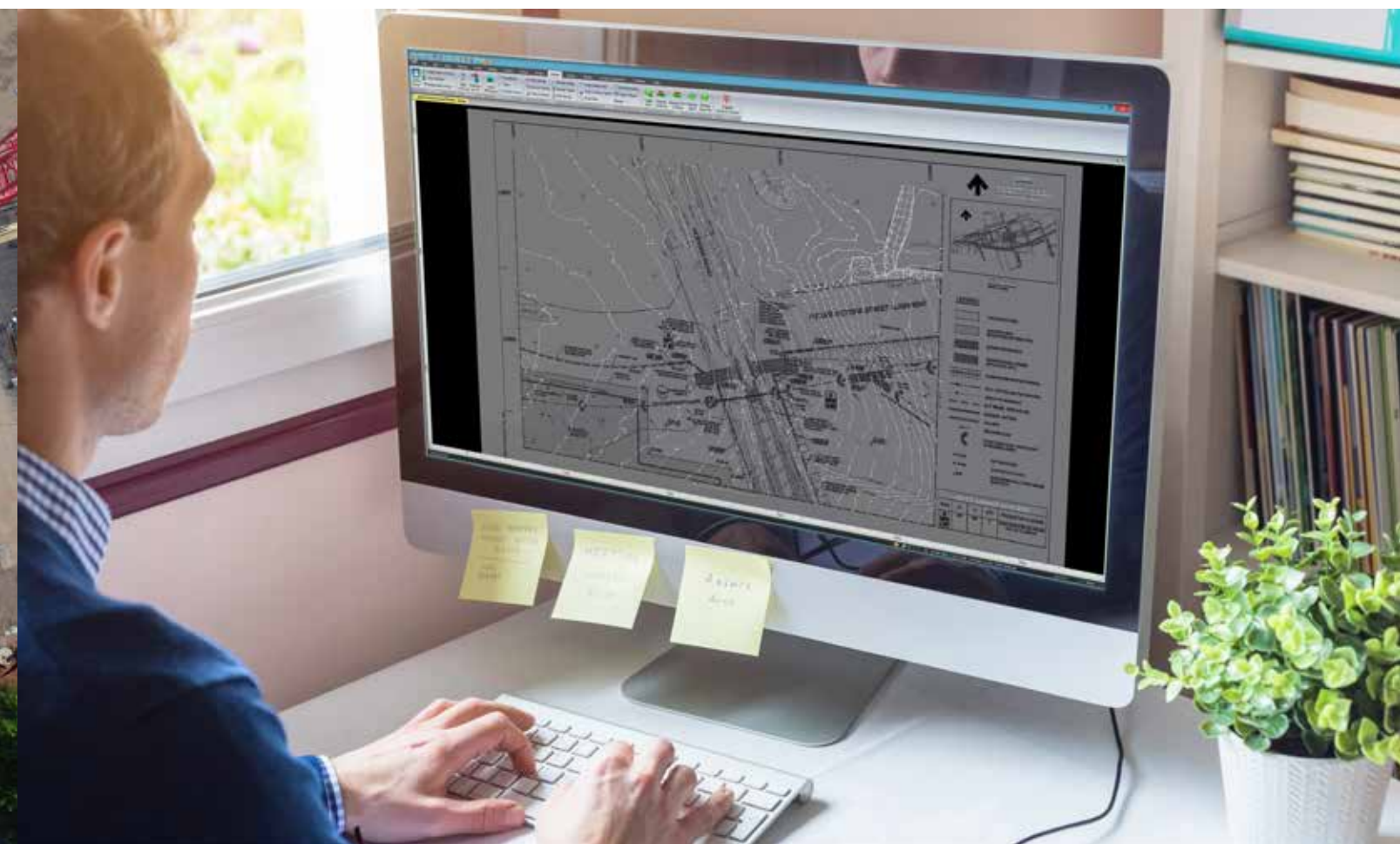
# AllDayRTK RINEX

## Customers who only require post-mission RINEX products

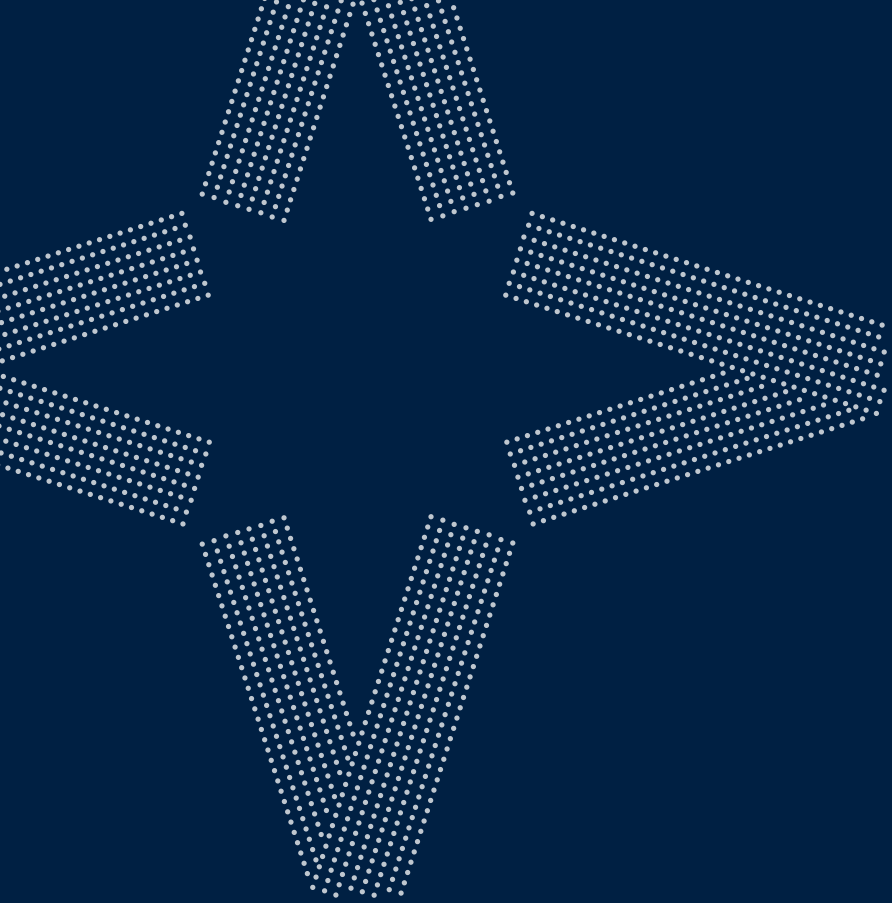
Get access to Receiver Independent Exchange Format (RINEX) data for use in a wide spectrum of applications. From geodetic control networks to mobile scanning, remotely-piloted aircraft (RPAS), we offer users the flexibility to select the time period, epoch, station range and more.

RINEX files are used to add GNSS corrections to data that is being post-processed. This improves the accuracy of the data being used.

RINEX data is available for specific AllDayRTK stations or larger areas as required.







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