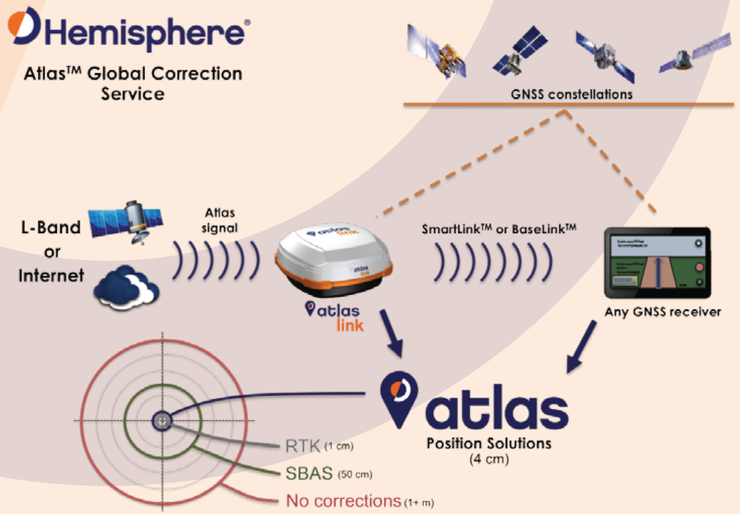
Hemisphere®

How Our Atlas GNSS Global Correction Service Works



Hemisphere®

Hemisphere GNSS designs and manufactures innovative, cost-effective GNSS products for precise positioning, heading, and navigation applications for marine, survey, construction, mapping, and other markets. The Company has developed a significant portfolio of intellectual property, with patents granted and pending on a range of technologies utilized in its leading product brands, including Athena™, Atlas®, Crescent®, Eclipse™, and Vector™. Hemisphere GNSS has its business headquarters in Scottsdale, Arizona, USA with product development, sales, and marketing facilities in both Scottsdale and Calgary, Alberta, Canada. Hemisphere GNSS is part of UniStrong Science & Technology Co., Beijing, China.

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GNSS Global Correction Service

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Atlas® is Hemisphere GNSS' new GNSS correction service, offering the most innovative correction service available in the industry, providing performance that meets or exceeds that delivered by other industry leaders, at market-leading prices.

Atlas is the most flexible service on the market, delivering its correction signals via L-Band satellites or over the Internet at accuracies ranging from meter to sub-decimeter levels. With approximately 200 reference stations worldwide and L-Band satellites distributing coverage from 75°N to 75°S, all of the earth's landmass is covered.

Atlas support is being introduced across a wide range of multi-frequency, RTK-capable hardware, including Hemisphere's all-new AtlasLink™ GNSS smart antenna, R330u, V320, VS330u, P306 (when paired with LX-3), and H321. Atlas also supports third-party GNSS receivers via Hemisphere's innovative SmartLink™ and BaseLink™ capabilities.

Systems supporting Atlas utilize Athena™ GNSS engine. To be able to utilize Atlas corrections, users of supported systems will need to update to Athena firmware (available on Hemisphere's website – *www.HGNSS.com*) and purchase a subscription through the Atlas Web Portal (*www.AtlasGNSS.com*).

Industry-Leading Capabilities

- **Positioning Accuracy:** Atlas provides competitive positioning accuracies down to 2 cm RMS in certain applications, often exceeding competitive systems' capabilities
- **Positioning Sustainability:** Cutting-edge position quality maintenance in the absence of correction signals, using Hemisphere's Tracer technology
- **Convergence Time:** Industry-leading convergence times of 10 – 40 minutes

Hemisphere®

AtlasLink™ GNSS Smart Antenna

Hemisphere GNSS' all-new AtlasLink multi-GNSS, multi-frequency smart antenna is preconfigured to receive corrections from Atlas GNSS global correction service.

AtlasLink is a versatile smart antenna with a number of first-class features:

- Utilizes Hemisphere's Athena GNSS engine
- Atlas support over L-Band corrections
- Powerful Atlas web UI accessed via WiFi
- Internal memory for data logging, download, and upload
- Environment-proven enclosure for the most aggressive user scenarios

Anywhere + Anytime

AtlasLink was designed from the ground up to excel in challenging environments and is ideal for use in a variety of applications including precision agriculture, machine control, construction, mining, and marine.

Atlas Web Portal

Atlas Web Portal is an easy, self-service website that empowers Atlas and AtlasLink users to manage their devices and enable functionality, including Atlas subscriptions for accuracies from meter to sub-decimeter levels. The portal also supports other Hemisphere products, such as R330u, V320, VS330, and any product capable of running Athena firmware and receiving corrections over the Internet.

Scalable Service Levels

Service Level	Position Accuracy
H100	1 m 95% (50 cm RMS)
H30	30 cm 95% (15 cm RMS)
H10	8 cm 95% (4 cm RMS)

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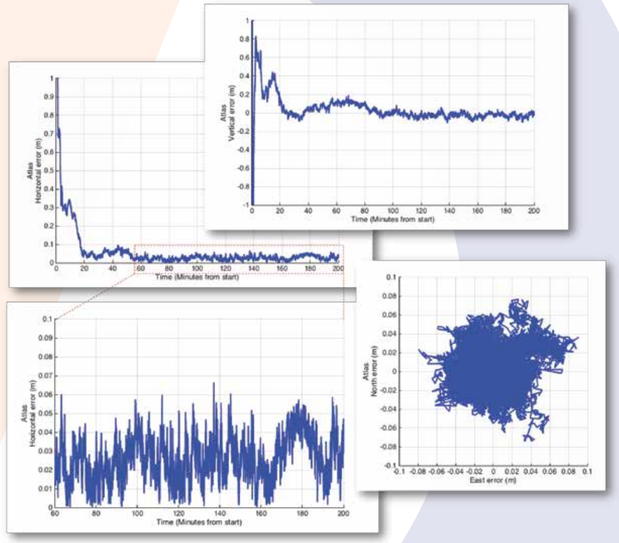

Flexibility + Freedom

Previously, to use high fidelity corrections users were tied to the single provider supported by their equipment manufacturer, and had to purchase licenses for every device that may need access to those corrections. With AtlasLink, whether users would like to utilize Atlas corrections data on equipment that doesn't have the ability to receive L-Band signals, or would like to use Atlas corrections on systems that currently receive L-Band corrections from another source, they now have the freedom to do so. The combined capabilities of SmartLink and BaseLink enable users to utilize Atlas corrections on any receiver from any vendor that supports industry-standard correction formats:

- **Exclusive Agnostic Capability:** SmartLink technology allows an AtlasLink smart antenna to be used as an Atlas signal extension for any GNSS system compliant with open communication standards.
- **Network RTK Augmentation:** BaseLink technology allows Atlas-capable receivers to self-calibrate, self-survey, and automatically manage the transmission of RTK correction data to augment or extend established or new GNSS reference networks in areas of poor Internet connectivity.

Industry-Changing Distribution

One size does not fit all. Atlas, AtlasLink, and Atlas Web Portal are all available through the Hemisphere brand or can be branded through partner OEMs.

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