



Hemisphere GNSS designs and manufactures innovative, cost-effective GNSS products for positioning, heading, and navigation applications for marine, survey, construction, mapping, OEM, and other markets. The Company holds numerous patents and other intellectual property and sells globally with several leading product brands, including Athena™, Atlas®, Crescent®, Eclipse™, and Vector™ for precise GNSS applications. Hemisphere GNSS has its business headquarters in Scottsdale, Arizona, USA and is part of UniStrong Science & Technology Co., Ltd. in Beijing, China.



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**Advanced
Differentiating Technology
Features**





Advanced Differentiating Technology Features

At Hemisphere GNSS, we strive to make your life easier! With a series of proprietary advanced, versatile differentiating features and firmware upgrades, you're sure to find the right amount of technology to give you the greatest ease-of-use when using our products and solutions.

Atlas® aRTK™

Satellite-Based RTK Augmentation

Powered by Atlas GNSS global correction service, the all-new innovative aRTK technology operates on any Atlas-capable device by enabling it to operate with RTK-level accuracy, availability, and reliability when RTK corrections fail. If the unit is Atlas-subscribed, it will continue to operate at the subscribed service level until RTK is restored.

SureFix™

Super Robust RTK Positioning

SureFix is Hemisphere's all-new processor that runs in combination with Athena™ GNSS engine to provide high-fidelity RTK quality information that results in enhanced and improved RTK accuracy, availability, and guaranteed precision with virtually 100% reliability. The SureFix processor takes several inputs and determines the quality of the RTK solution in the form of 'quality indicators'. The indicators are then combined with RTK data and provide the user with high-fidelity information about the quality of the RTK solution.

Tracer™

Positioning Sustainability

Tracer technology is Hemisphere's all-new cutting edge position quality maintenance in the absence of correction signals. The feature allows the user to maintain accuracy from meter to sub decimeter-levels, availability, and reliability of the position during correction data outages.

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.

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:

BaseLink™

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.

SmartLink™

Exclusive Agnostic Capability

SmartLink technology allows an AtlasLink™ GNSS smart antenna to be used as an Atlas signal extension for any GNSS system compliant with open communication standards.