

ALLSAT Virtual Base

Virtualisation turned into progress: The ALLSAT Virtual Base makes the physical presence of a true GNSS reference station unnecessary. Enhance your productivity and lower the lockup of capital investment by virtualisation of conventional hardware components in GNSS-systems.



The ALLSAT Virtual Base is based upon an innovative concept that combines the advantages of two established technologies. You will experience productivity hitherto unknown in this price range. Further, ALLSAT Virtual Base opens the field for new applications in precise navigation.

Your virtual on-site reference station

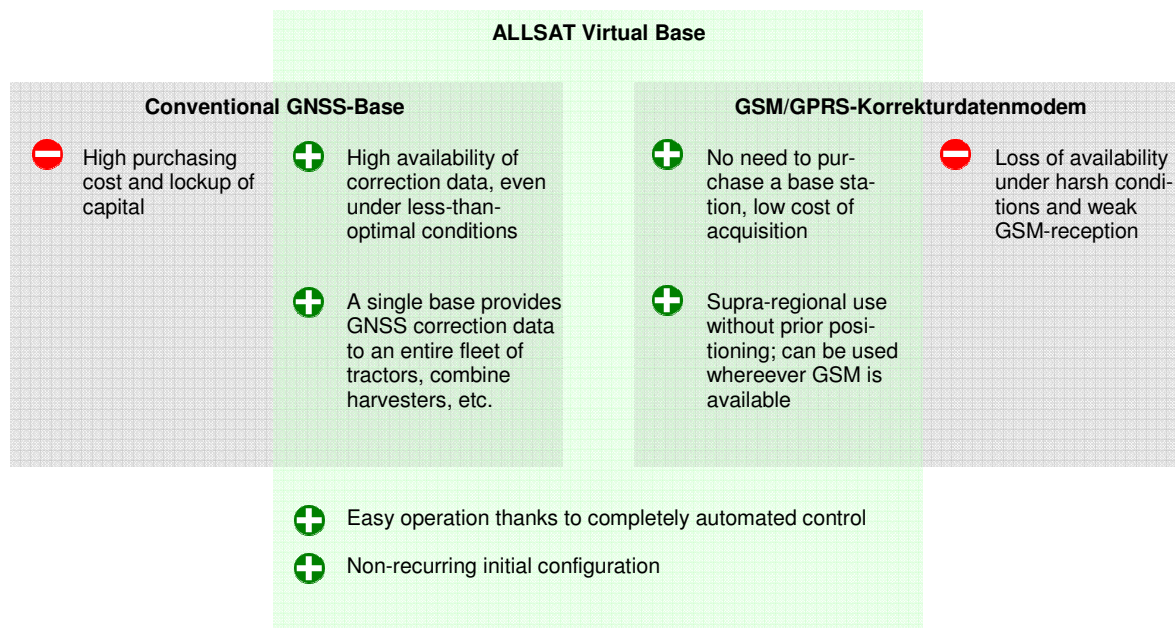
The main item is the well-known concept of VRS (Virtual Reference Station) of the ascos reference service or any comparable GNSS correction data services outside Germany. The reference service calculates a virtual reference station nearby your true position by interpolation from the reference network. Correction data are calculated for this virtual reference station and are transferred to the user's rover system – as if actually a true base station were installed. This is nothing new: this reference network technology is established for years.



However, instead of receiving the GNSS correction data via GSM/GPRS directly in the user's system (e.g. on a machine), or the user physically operating his or her own base station, the ALLSAT Virtual Base is an intelligent combination of both technologies.

Unrivalled in productivity and low cost

The ALLSAT Virtual Base combines the high availability of correction data of a GNSS reference station and the possibility of local radio broadcasting with advantages of modern GPRS transfer techniques for correction data. The latter are applied more and more in many applications thanks to very low investment costs and simplicity of operation.





Completely automated NTRIP-Client and radio broadcasting

To receive GNSS correction data via GPRS a completely automated NTRIP client is employed. The system is ready to use upon the press of a button following a one-time initial configuration. For radio broadcasting you may use a well established standard solution by ALLSAT, or adjust the system to the radio technology of your GNSS system.

A tailor-made solution for your application – in the field, inside a car, or stationary

Virtual Base Mobile

For use as a mobile virtual reference station for flexible, fast and easy location in the field or safe and comfortable operation from inside a car

Your advantages with operation in the field:

- System inside a ruggedised, water-proof, portable casing
- External radio antenna for optimised range
- Location in a position with stable GSM coverage

Your advantages with operation from inside a car:

- Dry and enclosed in the interior of the car
- Easy to install
- Universal fitting thanks to antenna window clamp and 12-V adapter for cigarette lighter
- The car can be moved during operation.

Virtual Base Station

For use as a stationary reference station at a wired Internet access point inside a building

Your advantages with a Virtual Base Station:

- Highest availability
- One-time installation
- Low usage fees due to landline Internet connection
- Usage of an existing Internet access is possible
- Combination with an Internet flat rate is suggested

Still not enthusiastic?

If you are still not enthusiastic about the ALLSAT Virtual Base, please contact us to discuss your scepticism! We are looking forward to your call!

Your ALLSAT contact



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