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**TERRASTAR**

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# TERRASTAR-OUR RELIABILITY

The accuracy and repeatability of a service is vital. You rely on it for your work and livelihood, you expect it to be the same if you use it day after day, or once every 3 months. It improves your productivity, it reduces your business risks, and it justifies your investment in new technology. But for all the accuracy of a service, it means nothing if it isn't available when you need it.



At TerrsaStar we invest millions of dollars a year in maintaining and improving a global network to gather, process and deliver an accurate and repeatable service to you - all day, every day. Our systems have been developed to compete in an industry where availability is as important as accuracy, and users expect to take our service for granted. If we say it will always be available, it will be.

It is this same attitude that we bring to the land, airborne and near-shore markets. Every system that we have is duplicated to provide automated failover. Every component is chosen based on high availability. We use 2 or more diverse network connections to every site, have massive redundancy in our TerrsaStar operated reference station network, operate 3 independent network control centres to process data, and transmit our data over 7 satellites to ensure that as a user you have at least two visible at any one time. Every system has a backup, an automated failover, an alternative route.

When you subscribe to a service that you rely on, ask yourself – is there a single point of failure? What will I do if the service is lost? Do I feel comfortable enough to take this service for granted? At TerrsaStar we work every day to answer these questions so you don't have to worry. We understand that accuracy is nothing without reliability.

#### TerrsaStar Infrastructure:

- Network of over 70 reference stations ensuring multiple observations of each GNSS satellite
- 3 network control centres, each providing data processing facilities and automated failover
- Fully redundant IP network with at least 2 diverse connections to every site
- 4 redundant uplink sites to the geostationary satellites
- 7 geostationary satellites, ensuring that each user can see at least 2 at any time