GPS Spider v2.0 for Networks

Leica Geosystems (Switzerland) has launched GPS Spider v2.0, a modular software suite for controlling and operating single or multiple reference stations from a central location. This latest version includes the new SpiderNET module for long-range, high-accuracy RTK network analysis and error modelling. It provides consistent high accuracy and improved RTK performance over an entire network region, even with large distances between reference stations. The module offers improved RTK performance, homogenous solutions and better availability of network corrections. Transmission of network RTK corrections uses the upcoming RTCM V3.0 standard that removes the need to rely on currently used proprietary methods to provide such information. GPS Spider v2.0 also offers an extension for advanced centralised RTK positioning. Continuously computed station coordinates at cm-level precision can be provided for real-time analysis. Processing algorithms using Leica SmartCheck technology provide precise and reliable positioning with both single-frequency and dual-frequency GPS observations. For legacy rover equipment not supporting the new RTCM V3.0 messages, i-MAX within GPS Spider can provide network performance by individualised correction information transmitted using conventional single baseline RTK message formats.

https://www.gim-international.com/content/news/gps-spider-v2-0-for-networks