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Leica SmartNet GB - Reference Stations Leica intend to add value with the deployment of a further 30+ active stations. Leica intend to add value by increasing the opportunities for a full GNSS (Global Navigation Satellite System) network. Tracking all available signals from GPS, GLONASS and the future Galileo. Strengthening the network increases the survey quality while providing redundancy, accuracy, density and reliability.

od OS Ordnance

Leica SmartNet GB Reference Station - Network Software Synergy

Reference Station Antennas (absolute IGS antenna calibrations)

- 91 x sites are Leica IGS Type LEIAT504 LEIS
- T x sites are Ashtech IGS type ASH700936E SNOW antennas 1 x Sites are Ashtech IGS type ASH700936D_M SNOW
- 1 x Site is Trimble IGS type TRM29659.00
- NONE
- 1 x IGS Morpeth site currently with a temp AX1202GG (replacing with LEIAT504 GG)

All reference sites are geospatially coordinated to EUREF GB 2001.

ETRS89 is used as the reference datum.

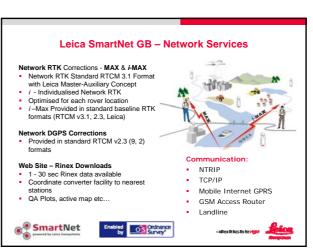












Leica SmartNet GB - Business Model

Commercial Interconnect agreement with OS for data feed from all OSNet stations.

SLA agreement with OS for maintenance of stations, availability of data stream etc.

No cost for OSNet data stream via NTRIP in LB2 format, however, we pay OS a royalty for each end user license and reflect the price bandings to our end users as follows:

Annual Subscription Cost:

£1,200 £2,000 Low rate user (40hrs p/m) Unlimited access Low rate user (40hrs p/m) Unlimited Access DGPS £350 £750 **DGPS** Multiple user discounts available

Leica Geosystems has made huge investment in server hardware, software, staff and extra reference station sites as a stand-alone business.







Leica SmartNet GB - Suggestions for Regional or **International Consideration**

- Sub group or Sub commission specifically for the field surveyors community.
- Collecting information, data and experinces from all existing network.
- Pushing/promoting GNSS Network industry standards.
- A gateway to educating field surveyors on best practice methods with Networks, etc..
- Investigate a Global FIG Network standard?
 - Maybe FIG cooperative Networks on a global basis.
 - Ensuring coordinate compatibility accross borders.
 i.e Cross European work, traceability of coordinate origins is very important.



SmartNet







