

Microwave Installation and Commissioning

Following on from Shape's successful delivery of an ambitious LOS undertaking we were awarded the next stage of the programme, to install and commission the network throughout the Highlands and Islands and Central Scotland. Of the original 107 LOS surveys carried out, 86 Links were required for the network. Key areas in this project were as follows:-

- * **Safely carry out the Installation of SIAE PDH/SDH 1+0 and 1+1 IDUs and ODUs.**
- * **Install to various configurations including space diverse links.**
- * **Installation of 0.3m, 0.6m, 0.9m, 1.2m and 1.8m dishes.**
- * **Design, manufacture and installation of bespoke steelwork including leg mounts, pole mounts, wall mounts, building mounts and face frames.**
- * **Record details of equipment installed for asset register designed for handover to the client and the end of the project.**
- * **Management of all access issues to site including planning access with the network owner and other site owners.**
- * **Supply and install RG8 and LDF 450.**
- * **Power up and carry out 1 hour internal BERT.**
- * **Record all results for Handover Packs given to the customer together with pre and post install photos.**
- * **Manage all logistical challenges of getting men, tools and equipment safely to some of the remotest sites in Scotland.**
- * **All our Field staff cleared to Supervisor level by the Network owner.**
- * **All teams self auditing.**
- * **Supply of consumables including all trib cables.**

We put together 4 x 4 man teams with appropriate equipment and 4 wheel drive vehicles required to access all sites in Scotland. Shape managed all aspects of the rollout receiving and logging all free issue kit, planning access and any equipment required on site, deployment of men, vehicles tools and equipment, completion of install and testing of site, production of handover pack and sign off by the client.



On completion of the rollout we were commended by our client for our ability to stick to an ambitious rollout plan despite logistical, equipment and weather issues throughout the Project. Our unwavering ability to "Get the job done effectively" led to a successful network build.

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