

An aerial photograph of a lush green landscape featuring a winding river, rolling hills, and a small town. A white network of dots and lines is overlaid on the sky, suggesting a global or regional communication infrastructure. The bottom of the image is partially obscured by a red curved banner.

Managed Hybrid Connectivity Services

Simplifying critical national infrastructure
communications with Arqiva Hybrid Connectivity

arqiva

A trusted partner to the UK utility sector

Delivering smart metering for the Smart Data Communications Company (DCC) in the North of England and Scotland as part of our multi-million pound business

Providing communications services to major utility transmission and distribution networks

Rolling out the first-of-its-kind 'secure at scale' smart water network to water companies across the UK

Assuring reliance and security as a
UK Critical National Infrastructure Provider



Energy



Water



Device summary



Available
now



Available
now



In
Development



In
Development

	VSAT	BGAN & BGAN/LTE	SHORT BURST (Inmarsat)	SHORT BURST (Iridium Edge)
Definition	Very Small Aperture Terminal	Broadband Global Area Network	Two-way, short-burst data exchange – Requires line of site to satellite (GEO)	Two-way, short-burst data exchange – Low earth orbit better coverage
Bandwidth	HIGH: VSAT bandwidth is scalable to multiple Megabits per second	MEDIUM: Standard/Shared service IP connection with speeds of 490Kbps	LOW: Send 6,400 bytes and receive 10,000 bytes	LOW: Send 340 bytes and receive 270 bytes
Frequency of data transmit	Continuous	Regular	Sporadic, as and when required	Sporadic, as and when required
Use cases	Primary SCADA Networks – real time data. Critical communications	Primary SCADA Networks – real time data. Critical communications	Polling Networks (loggers) (Daily/by exception)	Polling Networks (loggers) (Daily/by exception)
Size of terminal	terminals up to 1.2 meter	about the size of a laptop computer	• 12.6 cm x 12.6 cm x 4.9 cm	13cm x 8cm x 3cm

It's time for simple.

Seamlessly managing your connectivity networks so you don't have to, Arqiva Hybrid Connectivity eliminates day-to-day management pain and strategic uncertainty – providing visibility, efficiency and control of existing and new assets.

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