

# One-stop solution for remote communications

Providing effective communication networks into remote locations is a significant challenge. Today, expanding fibre-based terrestrial backbones and wireless technologies are supplementing satellite solutions to increase the viable alternatives for middle mile, last mile and distant end connectivity.

There are still places in the world that are too remote and harsh for terrestrial communications. The type of environment where only a rugged and easily deployable VSAT antenna can cost-effectively ensure a reliable, high speed network connection. However, the greater availability of fibre backbones and wireless technologies means you now have a wider range of technologies to deliver effective communications networks.

**Almost every global network will include a combination of satellite, wireless and terrestrial networking.**

Whether simple email and Internet access or the distribution of large file multimedia content, the remote communications network infrastructure you select should not be dictated by the available technologies. It is solely a decision based on business requirements. At Datasat Communications, we create communications solutions for the business services that run over them, selecting the best technology, or combination of technologies, for the project.



## > Satellite Communications

- Voice, data & integrated IP communications
- SCPC, DVB & TDMA configurations
- Point-to-point, point-to-multipoint & fully meshed configurations
- Symmetric & asymmetric data rates up to 155Mbps
- Satellite coverage analysis & selection
- System availability to meet your needs

## > Wireless Networks

- Latest 802.11n-based wireless network applications
- Low latency delivery for voice, data & video applications
- Advanced traffic management with differentiated service levels
- Extend range with less equipment
- Reactive and proactive interference and congestion avoidance
- Predictable coverage indoor & outdoor

## > Hybrid Networking

- Terrestrial integration with VSAT & wireless networks
- E1/T1, E3/T3, MPLS & STM1 capabilities
- Connectivity to worldwide PSTN and other carriers
- Reliability and Quality of Service guaranteed by SLA
- Single managed solution for all networks
- Centrally managed from Datasat's UK Teleports

**Datasat Communications provides a single source for all your remote communications requirements. We design, build, manage and maintain our network solutions to your precise specifications. Our high quality, personal service means we always take the time to fully understand you and your business.**

**We design and build networks around the connections that make the best business and financial sense for your organisation:**

**Satellite**

Where performance is paramount, we deliver point-to-point VSAT networks with military strength security. For low cost, and reliable voice, data and converged IP applications, we create point-to-multipoint and fully meshed networks for the remote locations of large private companies.

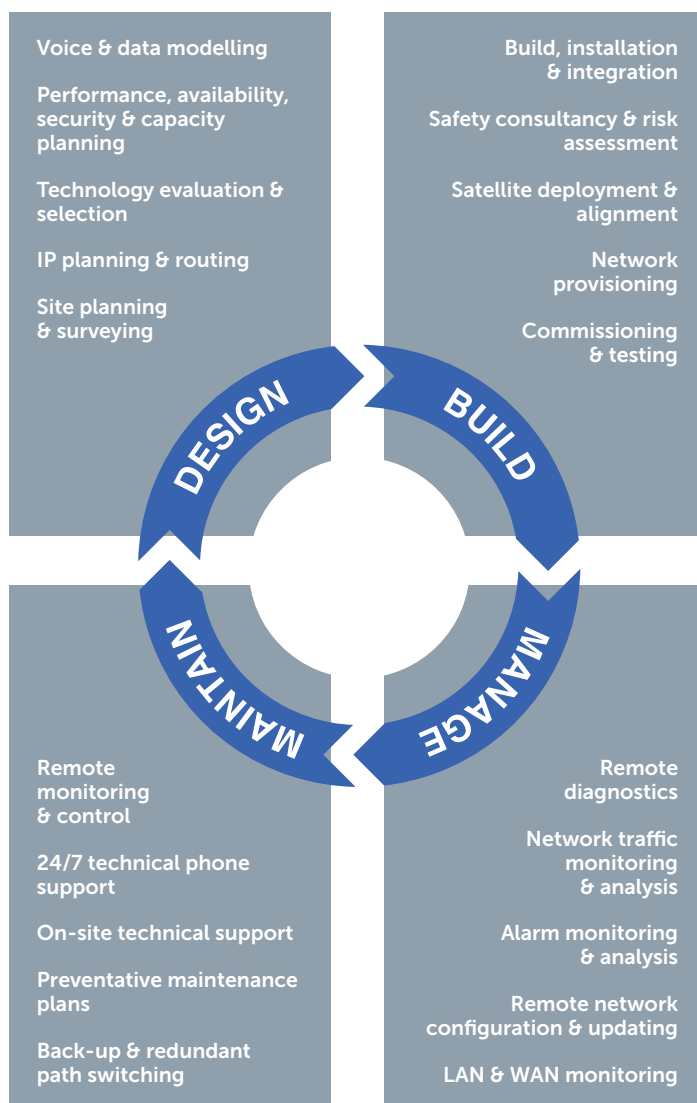
**Wireless**

We create field-ready wireless networks based on the latest 802.11n standards. This enables us to plan, deploy and manage carrier-grade WiFi networks with previously unattainable levels of throughput, range and security.

**Hybrid networks**

Using IP, we run different applications – voice, video, multimedia and data – over a single high performance network. Terrestrial and non-terrestrial technologies are selected to deliver optimum performance for that element of the network.

Whatever your requirement, we provide effective communications into challenging environments, extend global reach cost effectively or create high performance and reliable infrastructures for voice, data and multimedia applications.



Contact us today with your communications requirements on +44 (0)1707 665 320 or email us at [sales@datasat.com](mailto:sales@datasat.com)