



MOBILE NETWORKS AS A SERVICE

Satellite backhaul is fast becoming cost-competitive with fiber. Speedcast offers Mobile Networks as a Service to accomplish the following:

- Deploy network overlays to introduce 4G or 5G without wholesale upgrade of the physical network.
- Serve rural population centers, industrial sites and campuses without incurring the high capex of fiber or microwave backhaul.
- Provide low-cost peak hour traffic protection for base station transceivers (BTS) that experience regular traffic peaks and troughs.
- Meet temporary traffic surges from events or disaster recovery with mobile BTS.
- Back up microwave and fiber links with a flexible pool of satellite bandwidth available on demand.
- Manage heavy asymmetric data download for video and other applications by intelligent offload onto satellite.
- Bring cellular service to nontraditional locations, including oil and gas installation and ships.

TURNING CAPEX INTO OPEX WITH A FULLY-MANAGED SERVICE

Speedcast provides the technology, systems integration and communications services to extend your network into new profitable markets. We invest in and manage cellular and VSAT networks and provide equipment for the duration of the contract with no financing costs. You pay a nominal minimum recurring cost and pay-as-you-grow per MB or GB. Your network benefits from the lowest total cost of ownership, specialized support from our dedicated VSAT transmission team and faster, flexible addition of capacity to respond to market demand.

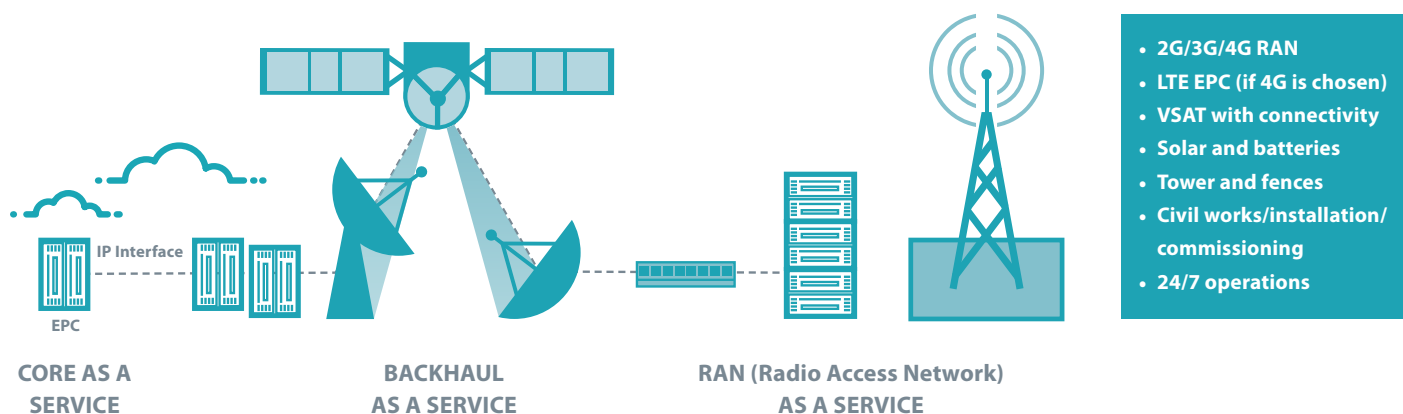
Converging technology advances have expanded the use cases for satellite as the lowest-cost, lowest-risk backhaul option. Speedcast CELLULAR solutions are deployment-ready for your mobile network.

Contact a Speedcast sales representative or email info@speedcast.com for more information.

NETWORK COMPONENTS

Speedcast covers every key component of mobile networks, allowing you to select the options that best fit your requirements:

- **Core as a Service**, including an LTE Evolved Packet Core and IP interface to the backhaul
- **Backhaul as a Service** through flexible bandwidth pooling across multiple sites equipped with VSAT terminals and solar/battery power as required
- **Radio Access Network (RAN) as a Service**, including 2G, 3G or 4G RANs
- **End-to-end systems integration**, towers and fences, civil works, installation and commissioning



CONVERGING TECHNOLOGIES DRIVE DOWN SATELLITE COSTS

Continuing technology advances are pushing satellite connectivity costs toward US\$2 per GB, on the threshold of competition for fiber under many conditions. The advances include these:

- High-throughput satellites (HTS) share frequencies across hundreds of narrow beams operating at high frequencies, packing much more capacity into the same bandwidth. HTS has created an enormous effective increase in capacity supply, driving costs down. A 2019 report from NSR found two-year price declines from 2017 ranging from 35 to 65%.
- Higher frequencies have driven advances on the ground. They begin with 1.2-meter or smaller antennas that cost a fraction of larger systems. Tech innovation has reduced the cost, size and power consumption of all related satcom and data equipment. Power needs are so low they make it possible to establish base stations powered by nothing but batteries charged by solar panels.

ABOUT SPEEDCAST

Speedcast is the world's most trusted communications and IT services provider, delivering critical communications solutions to the Maritime, Energy, Mining, Media, Telecom, Cruise, NGO, Government and Enterprise sectors. With more satellite capacity than any other provider, Speedcast enables faster, seamless pole-to-pole coverage from a global hybrid satellite, fiber, cellular, microwave, MPLS and IP transport network with direct access to public cloud platforms. With a passionate customer focus and a strong safety culture, Speedcast serves more than 3,200 customers in over 140 countries.

Speedcast Headquarters:

Unit 4F, Level 1, Lakes Business Park 12 Lord Street, Botany NSW 2019 Australia
+61 2 9531 7555
info@speedcast.com

[SPEEDCAST.COM](https://www.speedcast.com)