



Goonhilly Earth Station

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PRODUCTS

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SERVICES

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as of 20 August 2026



Goonhilly Earth Station

Goonhilly Earth Station provides satellite, lunar, and deep space communication services. The company operates a private deep space communications network and offers services including uplink and broadcast, gateway operations, TT&C, and carrier monitoring. They also support radio astronomy with their cryogenically-cooled 30m antenna, GHY-3. Goonhilly serves major space companies and organizations, with operations across the UK and USA. The company has been operating for more than 60 years, building on decades of experience in the satellite communications industry, and offers services across three divisions: Lunar and Deep Space Communications, Commercial Satcom, and Defence and Security.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Services

Carrier Monitoring Goonhilly provides carrier monitoring services to minimize interference, ensure correct use of satellite power-bandwidth, and detect equipment failures.	Earth Station Verification Assistance (ESVA) Goonhilly remotely tests co-polar and cross-polar gain pattern performance of Ku or C-Band antennas worldwide using calibrated test antennas and live satellite links.
Space Consultancy Goonhilly offers short and long-term space consultancy, providing expert analysis, design, risk management, and training in space communication systems and orbital mechanics.	Telemetry, Tracking and Command (TT&C) Goonhilly provides simultaneous TT&C services from various antennas, including satellite drift mission support, leveraging experienced engineers and multiple antenna assets.
Uplink and Broadcast Services Goonhilly provides reliable, cost-effective and secure uplink and broadcast services to any commercial satellite at C, Ku or Ka Band within a specified longitude range.	

Product catalogue



GOONHILLY EARTH STATION

Deep Space Ground Station Network Services

Goonhilly Earth Station's deep space capable ground station antennas in Cornwall, UK — providing TT&C, deep space communication, and space domain awareness services for lunar a

Location	Goonhilly, Cornwall, UK (historic satellite comms site)
Antenna	GHY-6 (Merlin) – upgraded for deep space (lunar and beyond)
Services	Deep space TT&C, lunar mission support, SDA observations
Niche	Commercial deep space alternative to DSN (avoids NASA booking bottlenecks)
Missions Supported	ESA SolarOrbiter, CIRCE, commercial lunar landers
Country	UK (Cornwall, England)

price on request



GOONHILLY EARTH STATION

Goonhilly Earth Station Antenna Network (GES)

Goonhilly's historic and modern parabolic dish antenna network in Cornwall, UK, providing deep-space, GEO, MEO, and LEO satellite communications and tracking services from one of t

Location	Goonhilly Downs, Cornwall, United Kingdom
Site opened	1962
Antenna aperture range	~15 to 32 meters
Flagship deep-space antenna	GHY-6, 32-metre dish
Historic milestone	First relay of transatlantic television via Telstar satellite (1962)
Deep-space milestone	First commercial deep-space communications station outside government space agency network
Orbit coverage	GEO, MEO, LEO, and deep-space/lunar communications

price on request

Contact Goonhilly Earth Station

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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