

CET Teleport GmbH



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EXECUTIVE OVERVIEW

CET Teleport GmbH (CET) is a specialist teleporting services provider whose Hameln teleport has always enjoyed an excellent reputation for the quality of the network operations that it has offered to its users over the years. It is run by a management and operations team of highly experienced and respected satellite industry professionals who can devise and implement solutions to most of the satellite based communication problems that are encountered by organisations wherever they might wish to operate.

The Teleport provides a wide range of media broadcasting and corporate VSAT services. However, in contrast to most teleports, CET sees its major VSAT market not as the ultimate end-user but those organisations, including other teleports, who for whatever reason cannot themselves provide the service their customers need. Amongst others this could include:

- Satellite to be used not being visible from remote locations or hub
- Lack of space for additional antenna at hub
- Shorter or more reliable backhaul
- CET has space segment available which cannot be obtained elsewhere
- CET already has a fully redundant dish pointed at required satellite



CET can also provide, monitor and manage remote-to-remote, roof-top to roof-top SCPC links, can connect ISPs to the Internet, can offer GSM backhaul and connection to the PSTN or to VoIP switches for voice and voice and data services.



Once contracted to provide a service CET can manage as much or as little of the project as the customer may require from site survey through installation and commissioning to the provision of licencing and on-going maintenance.

INFRASTRUCTURE - HAMELN TELEPORT

CET Teleport, is one of Europe`s major teleports and was built by Deutsche Telekom (DT) in 1987 for satellite broadcast and VSAT services. The Teleport is located in northwest Germany giving it a commanding view of the skies with visibility from the West Coast USA and South America all the way across Europe, Africa, Russia and China, to cover all of Asia, and Western Australia.

The teleport has the potential to **access over 200 geostationary satellites located from 58°W to 76.5°E**, providing coverage and connectivity across most of the world`s land masses.



Please check www.cetteleport.com for a full list of the current satellites being used

The Teleport is host to over 50 antennas from 15m downwards operating in C, Ku, X and Ka bands and is fully integrated into Deutsche Telekom`s German fibre network, providing it with access to the terrestrial network for Internet connectivity and data and voice backhaul.



It has extensive disaster recovery facilities and a 24/7 Help Desk backed by a large and very experienced engineering team, who manage and maintain the satellite and hub equipment on site and at numerous remote locations.

CET has both iDirect and HNS Directway hubs installed at Hameln so that it can offer a full range of shared hub facilities to its customers as well as providing SCPC star or full mesh networks where these are required.

SERVICES

Broadcast Services

CET Teleport is expanding its range of broadcast services to provide tailored solutions to broadcasting organisations across the industry. CET can offer Direct-to-Home (DTH) Multiplexed Services as well as facilities for Playout and Distribution, Turnaround and Occasional Use/SNG services.

CET can also provide access to some of Europe's premier DTH bouquets and multi-point content access and storage facilities. By using the latest hardware technology and software solutions in its studio and editing suite CET can provide content distribution globally.

VSAT and Carrier Services

CET has the technology and expertise to provide the following services and more:

- Hubbed and SCPC VSAT Corporate and Enterprise Services
- GSM Backhaul Services
- Voice Services - Carrier and VoIP
- Disaster Recovery Networks

We can arrange local licensing, installation and maintenance with Service Level Agreements guaranteeing the highest level of availability to ensure that, whatever your application, your connection is there when you need it.

Government, Military and NGO Services

For many years, the Hameln teleport has provided voice and data satellite services for government agencies, non-governmental organisations (NGOs) and various branches of the military.

These organisations prefer to use satellite links, even when terrestrial ones are available, because they can have not just virtual private networks (VPNs) but also highly cost-effective 'actual private networks'. In this way, they can enjoy much more secure communications over their own exclusive links than is possible using public voice and data networks.

Other Services

CET Teleport also provides all the services required to ensure that you get a system that is tailored to satisfy your specific needs. We can offer: project management, installation, licensing, field service and maintenance, network monitoring and management, third party hosting and data storage and, for satellite operators, telemetry, tracking and control (TT&C) services.

CO-LOCATION AND HOSTING

CET will happily provide co-location and hosting facilities to service providers whether they want to locate a major antenna system at the hub or rent rack space for their own electronic equipment to handle traffic being brought down or sent up using a CET antenna.



BACK-UP POWER SYSTEM

CET`s warm stand-by 1 MW generator is more than capable of providing all the power that the teleport requires to continue operating in the highly unlikely event that both of its independent mains power supplies fail.

To cover the time between a power failure and the generator coming on stream the battery pack installed is capable of supporting all the systems at Hameln for at least 30 minutes.

FIBRE CONNECTIVITY

Having been built by Deutsche Telecom, the CET teleport is naturally directly connected to the DT fibre network by multiple links to ensure complete continuity of service at all times.

In addition the teleport can offer fibre connectivity directly to the BT Tower in London and Telehouse so that no matter where in the world traffic has to be ultimately taken to or backhauled to CET has the connectivity in place to handle it.

Through its Internet portal CET can provide high speed and high capacity access to various internet portals using diverse routing to ensure that Internet connectivity is always available.