

# TELECOM MARKET BACKBONE CONNECTION

## SECURE TRANSPORTATION FOR BIG DATA AMOUNTS

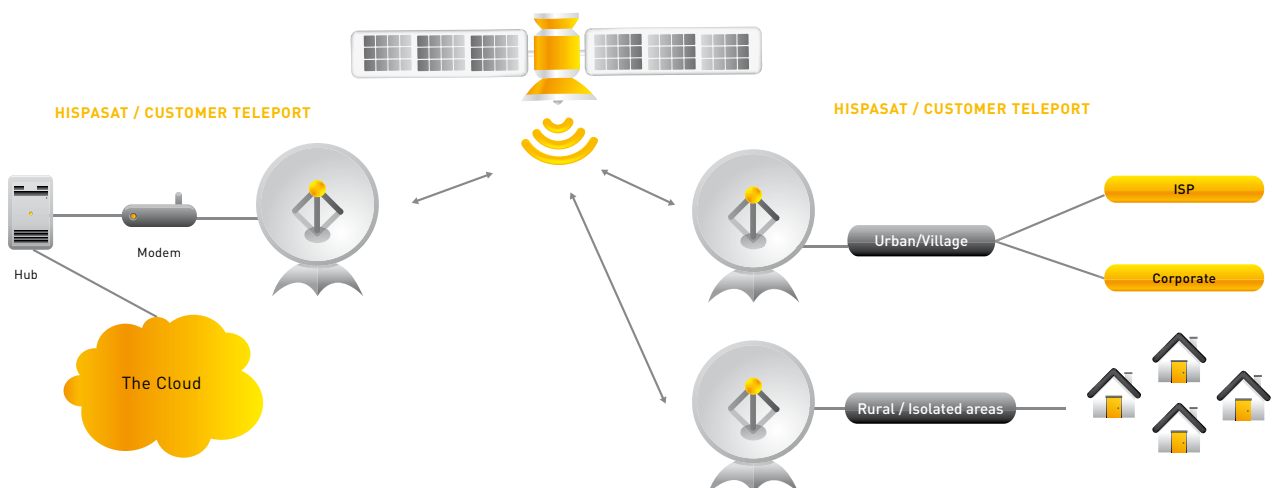
In many cases distance between two points that need to be connected is very far, the information to be shared is huge and a wired solution would be very costly to deploy.

Satellite-based transportation solutions are well suited to share big data amounts (i) to connect big population communities far away ones from the others (ii) to deploy networks over difficult landscapes (iii) to back up existing terrestrial networks securing no traffic congestion...

Telephone companies, mobile network operators, ISP's and network operators in the whole can benefit from a satellite-based solution, cost and time efficient, resilient and reliable.

HISPASAT new beams at 30°W and Amazonas 2 and at 61°W are highly competitive to offer high capacity links to network operators so that the client is able to build up network backbones in a cost-effective and time efficient way. HISPASAT high power beams are also well suited for Internet backbone connections, granting high bandwidth, throughput and covering 100% of the territory.

Links are dimensioned in every case to meet client traffic requirements.



HISPASAT is able to provide engineering services to its clients in order to help them during the network design process. HISPASAT can also operate and maintain these networks served by its satellite monitoring systems ensuring quality and availability of the service and procuring network updates.

Long term commitment with the client makes HISPASAT a solution of trust for Abertis, Telefónica and Oi to build up their satellite-based networks.

### A PROVEN CASE

Telefonica and Oi are providing high capacity satellite links between two points as an alternative to fiber allowing to answer their requirements in a short time, using high level modulation (16-QAM, DVB-S2) and carrier in carrier technologies to optimize the satellite capacity.