talia®

DataGrid

Providing flexible connectivity across multiple locations

DataGrid provides you with your bandwidth for your own sites within your own network. DataGrid allows you to connect to the Talia datacentre as well providing connectivity to your own sites at the same time.

DataGrid special feature is allowing multiple site connectivity, any site to any site within the network.

Connectivity to the Talia datacentre provides access to high quality fibre services including MPLS terrestrial services and low latency high bandwidth Internet connectivity.

Applications of DataGrid

DataGrid provides any site to any other site in the network. This allows for example single hop voice telephony.

DataGrid provides multi-homed application connectivity, such that should the main application centre fail, the remote site can connect to another site automatically, at some other point on the network.

Cost benefits of DataGrid

Optimised bandwidth allocations means that bandwidth is calculated and used where it is required on a network basis rather than a fixed site by site basis.

Voice calling can be a true grid connection, where any site is connected to any other site. As the connections are virtual, that is they only exist when the call is progress, bandwidth is not used to connect to those idle sites and therefore on large networks the cost savings can be large.

Voice calling is always a single hop solution no matter where the phone is connected on the DataGrid network.

Bandwidth on a DataGrid network can be allocated as required and therefore could be used as a backup network to a terrestrial network or sites can be allocated as backup sites and only used when the terrestrial service fails.

DataGrid

Tailia Satellite Network

Hub

International Talia fibre
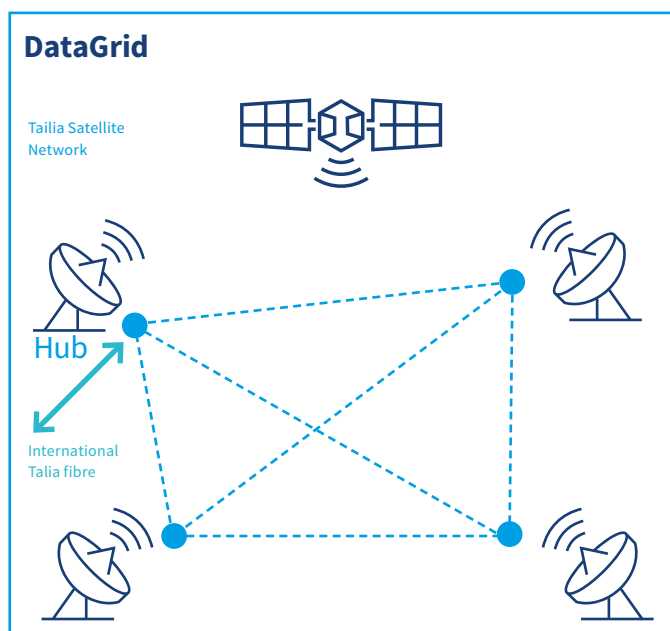
Who uses DataGrid today?

Manufacturing sector customers

A typical manufacturing sector application is inter-site voice calling. With DataGrid this is a single satellite hop call. Direct data sharing connectivity is required between multiple sales, operations and manufacturing offices. Often there is a requirement for multiple off-site connectivity for supplier ordering. Whereas corporate applications such as Email are centralised somewhere on the network.

In this example we see multiple connectivity requirements between central and all remotes with some applications being remote to remote.

Banking sector customers

The Banking sector operates with a central Headquarters where all account details are held. However for security and disaster recovery purposes there are usually at least one if not two backup data centres. So in these types of banking networks multi-homed connectivity is required. Branches also voice call each other and therefore multiple connectivity paths (any to any) are also required. Typically all sites required Internet connectivity for research and credit checking, foreign currency transactions as well as Inter-bank transactions.

DataGrid can provide all these different types of connectivity to a bank whilst maintaining security through encryption of both voice and data.

Energy sector customers

The energy sector use DataGrid for real-time data collection of production data back to HQ for analysis and control purposes. The specific nature of the energy sector also require site-site phone calling as well as backup data centre requirements. The data being critical and of a very valuable nature means that multiple backup data centres are in operation and must be ready at all times to connect to the DataGrid network.

Why use DataGrid?

Customers business grow and as such often find that new routes or paths are required for connectivity within the network. In a DataGrid this is as easy as simply enabling a route between two sites and configuring the bandwidth required between the two new sites. This new route may be carrying data and/or voice – it makes no difference.

- DataGrid can seamlessly add Internet or Intranet connectivity to any site as required.
- DataGrid can add sites or bandwidth on a temporary basis for example if a new contract has been won.

Commercial considerations

The DataGrid fees are based on:

- The number of sites and the overall bandwidth pool required across the network. The Network pool is sized based upon the total amount of bandwidth required at the peak time within the network.
- The routes selected – how many sites need to connect together and the type of traffic required
- Security – Is encryption required?
- Hosting and additional services? What is Internet bandwidth is required?

Customer support

Talia monitors all DataGrid network sites through its Network Operations Centre (NOC) and uses its Network Management System (NMS) to maintain service availability. In the event of a network issue the NMS informs the NOC and the NOC takes corrective action to fix the problem.

Value added services for use with DataGrid Networks

Talia can provide additional services for use with DataGrid networks such as hosted equipment or networks at the Talia datacentre. Fibre services can be provided for onward connectivity from DataGrid networks to customer terrestrially connected sites. These terrestrial services can carry voice services to customer host sites. All DataGrid networks can be encrypted, with the encryption running between sites on the DataGrid networks and/or to the terrestrially connected sites.

communicate without boundaries

MEMBER
WTA
WORLD TELEPORT
ASSOCIATION

GVF
ASSOCIATE

QMS
ISO 9001
REGISTERED FIRM
14126437

QMS
ISO 14001
REGISTERED FIRM
14126057

QMS
OHSAS 18001
REGISTERED FIRM
14126058

TAC002 Sep 2015