

Tejas Backhaul Solutions



3G Operators Webpage

Last few years have seen an exponential growth of 3G subscribers worldwide. This technology facilitates new applications like High Speed Internet, Video calls and Mobile TV. 3G services promise a high revenue upside for subscribers and an edge over competition. Thus service providers worldwide are rushing to upgrade their networks for 3G services.

Tejas has aligned its products and features with these requirements and provides several solutions to service providers for backhauling their 3G traffic. These options cater to the different requirements and different legacy of different service providers.

Tejas products are agnostic to the underlying access technology used for BTS aggregation. The physical media used to connect the BTSes might be fiber, microwave or copper. In addition, these media might be running SDH, Ethernet or PDH. The BTS traffic would be either E1s or Ethernet. With Tejas products, solutions can be built for any combination of the above.

The logical connectivity in the access ring can be either point-to-point or shared ring. Point-to-point topology brings dedicated circuits from each BTS to a hub node on the aggregation ring. The hub node aggregates all this traffic onto the aggregation ring. Another way of connecting the BTSes can be in a shared access packet ring. This ring would run ERPS and provide 50ms protection in the last mile.

The aggregation and core would be running shared ERPS protected rings. The bandwidth for these rings is carved out of the SDH bandwidth.

