



- 400 Mb/s
- USES EXISTING COPPER INFRASTRUCTURE
- EFFICIENT MULTICAST
- QUALITY OF SERVICE (QOS)
- FIBER EVOLUTION

What if the technology that is capable of providing these advantages wasn't that new at all but really a re-configuration of the cable architecture that has existed for >100 years?

What if the services could be enabled by the application of a technology that is already common in metro optical networks?

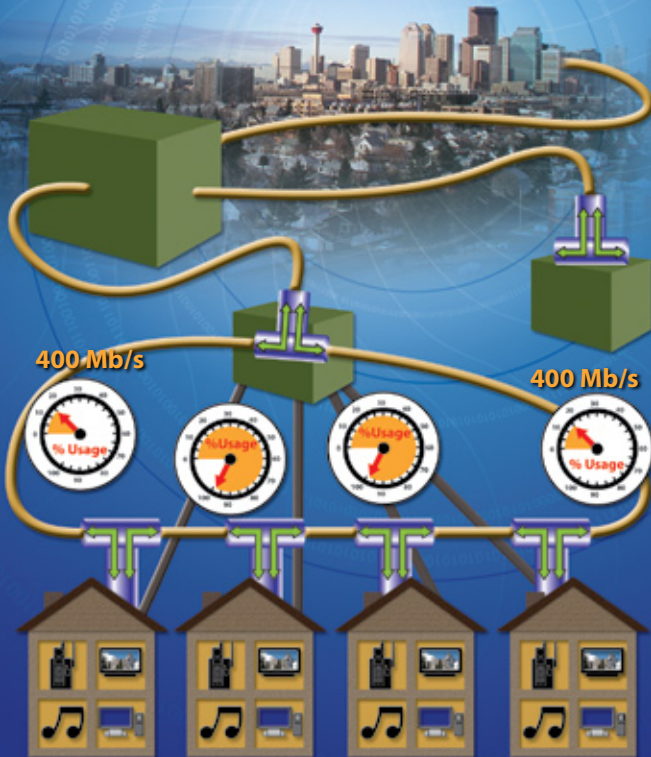
Bonded DSL Rings (BDR)™ is the answer to many Telco's biggest questions. Supplying consumers with bigger bandwidth alone cannot, and will not win the day. Yes, the bandwidth must be bigger, but it has to be more efficient with features that enable the high-revenue services and customer Quality of Experience (QoE) that average consumers are willing to pay for. At the same time the delivery of these services and bandwidth must be deployable on a customer-demand basis so that Telco capital expenditure is only made when customers request it. Also desirable is that the service delivery technology be economically deployable in sub-urban and rural areas. This need not only provides a relatively non-competitive revenue increase for incumbent Telcos, but also creates a barrier-to-entry for potential competitors in those areas.

The deployment interval, once customers request the new services, must be as short as possible and the up-front deployment expenditure must be minimized to reduce the risk of stranded capital. This suggests a technology that can be implemented over existing infrastructure would be ideal. Consumers always find a way to fill whatever bandwidth is made available to them. Therefore it is essential that the technology of choice include an evolution path to even higher bandwidth/user.

Telcos already know and understand ring technology. Telcos already know and understand DSL technology.

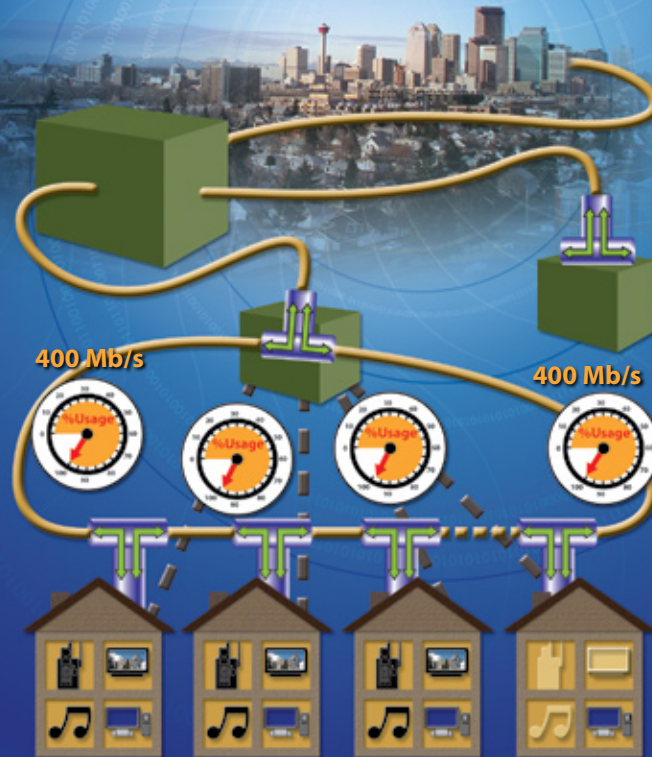
Bonded DSL Rings™ combines the latest in xDSL technology with Resilient Packet Rings (RPR) and G.Bond-based backhaul to provide the most efficient, high bandwidth, collector ring ever seen in telecom access networks. It is time for the network to regain its status as a significant source of Telco revenue. Not only can the network de-commoditize itself but it can accomplish this lofty goal in an economically non-threatening fashion. A profitable new day has begun in Telecom!

BONDED DSL RINGS™
EFFICIENT MULTICAST



- Effectively increases maximum available bandwidth
- Enables bandwidth re-use
- Only a single instance of multiple-demand high-bandwidth content on ring at any one time

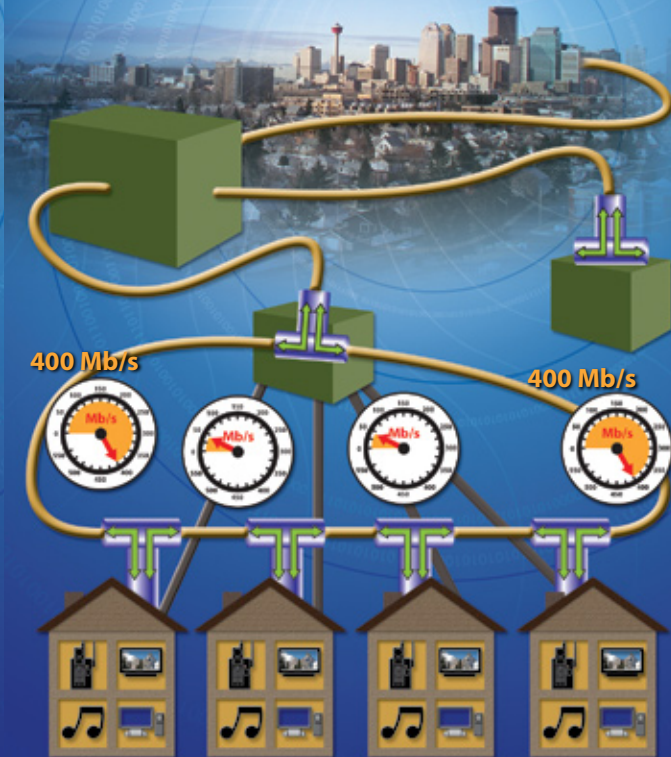
BONDED DSL RINGS™
QUALITY OF SERVICE (QOS)



Not all bits are created equal

- Service Level Agreements (SLAs) possible based on # of Mb/month/priority level
- Ensures high revenue traffic gets appropriate priority even in congested situations
- Ensures Telco Managed Services capability

BONDED DSL RINGS™
A LOW FIBER DIET



- Up to 400 Mb/s possible over existing infrastructure
- No new cabling required
- Patent-Pending technology
- Fiber evolution-ready
- Femtocell deployment platform