



## **Low Cost 400 Mbps Telco Broadband ENVIRONMENTALLY FRIENDLY**

**No trenching - re-uses existing copper telephone lines  
Low Power Consumption yet Ultra High Bandwidth  
1/20<sup>th</sup> the cost of Fiber in Urban 1/100<sup>th</sup> in Rural**

**See Demonstration at **Booth #358** in Paris  
Broadband World Forum Europe September 7 - 9, 2009  
[www.BondedDSL.Rings.com](http://www.BondedDSL.Rings.com)**

### **FOR IMMEDIATE RELEASE**

September 2009  
Paris, France

Telcos can achieve broadband bandwidths of up-to 400 megabits/sec at 1/20<sup>th</sup> the cost of fiber in Urban areas and 1/100<sup>th</sup> the cost of fiber in Rural areas using Bonded DSL Rings® (BDR) also called DSL Rings® a new breakthrough technology from Genesis Technical Systems Corp. (GTS).

Following a recent successful demonstration with a major European ISP Genesis will be demonstrating its Bonded DSL Rings® technology at Booth #358 at the Broadband World Forum Europe in Paris September 7 to 9, 2009.

“Notwithstanding Telco budget constraints Bonded DSL Rings® can help make much needed ultra high bandwidth accessible to the masses, inexpensively and in an environmentally friendly way in both rural and urban areas,” stated Stephen Cooke, inventor of BDR

Bonded DSL Rings® is an environmentally friendly solution. It reuses existing copper telephone lines and requires no trenching. Its low power consumption and reduced carbon footprint are achieved while still delivering ultra high cable competitive bandwidth. BDR offers Telcos an estimated 1 year return on investment (ROI).

Benefits to Rural and Urban Telco customers using Bonded DSL Rings™ include being able to access HDTV over DSL (IPTV); high quality video phone calls, remote home security monitoring with video, 3D TV, remote medical monitoring, home network management and continuous automated meter reading, E911 when power fails and download speeds exceeding what future cable will offer customers plus a host of other applications. In addition, with BDR Telco customers get greater reliability and quality of service plus convergence of Wired/Wireless telephony called Fixed Mobile Convergence.

*“DSL Rings technology makes IPTV profitable in many otherwise unprofitable markets.”*  
[www.iptvmagazine.com](http://www.iptvmagazine.com) June 2009



“With no trenching required and deployment on demand Bonded DSL Rings® can be deployed to any network coverage area not economically or environmentally viable for Fiber-to-the-Premises/Home (FTTP/H). Also, it can be deployed in conjunction with Fiber-to-the-Node (FTTN) and Fiber to the Curb (FTTC) to help deliver significantly higher, more efficient and differentiated bandwidth to Telco customers ” Stephen Cooke stated.

BDR also provides Quality of Service, which allows customers to get the bandwidth they pay for and allows Telcos to offer certain levels of free bandwidth if they choose. It also provides Efficient Multi-Cast, which frees up more bandwidth for video and data as needed during popular live events and other applications.

BDR is an excellent femtocell deployment platform because it is the only technology that integrates the femtocell synchronization with sufficient DSL-based backhaul bandwidth capabilities over existing infrastructure. BDR development will incorporate a series of femtocells including 4G (Long Term Evolution - LTE) as standards are available, 3G, Wi-Fi and WiMAX.

Bonded DSL Rings™ is a patent pending technology from Genesis Technical Systems Corp [www.genesistechsys.com](http://www.genesistechsys.com) of Calgary, Canada.

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