

## **Genesis Technical Systems to launch *mBond*<sup>™</sup> 1 Gb/s copper backhaul at Broadband World Forum**

**mBond<sup>™</sup> delivered 157 Mb/s at 1450 metres with 12-pairs  
during operator field trials**

Calgary, Canada – 17 October, 2013 – Genesis Technical Systems today announces the launch of *mBond*<sup>™</sup>, a unique bonding solution that provides unmatched value for fixed and mobile backhaul networks by enabling operators to increase their copper backhaul bandwidth by at least a factor of ten. *mBond* is an extremely cost effective alternative to fibre and microwave, enabling telecommunications operators to realise a far quicker and improved return on their investment.

With bandwidth needs significantly increasing with the deployment of high-speed mobile data services such as 3G, HPSA and LTE, operators need to enhance their backhaul as quickly as possible while minimising capital and operating expenditures.

*mBond*<sup>™</sup>, meets these demands by delivering 100 Mb/s over 1 mile, effectively aggregating available bandwidth per pair, e.g., if each pair can deliver 10 Mb/s, then 12 pairs will provide 120 Mb/s. Any number of pairs can be bonded, and when even more bandwidth is required the bonded pairs may be grouped. *mBond* maximises unique high-speed copper backhaul technology developed and patented for Genesis's *DSL Rings*<sup>®</sup>, further strengthening Genesis's position in the market.

“Operators have been extremely impressed by the performance of our *mBond* product in their networks over the recent months,” said Nigel Hall, Managing Director, Genesis Technical Systems. “The feedback has been tremendous. Given the ever challenging need for Telcos to deliver superfast backhaul solutions over existing copper infrastructure, in order to meet the needs of their customers growing data requirements - the market now has a cost efficient and effective alternative to fibre and microwave. The 'copper revolution' has truly started.”



“Telcos that recently trialled mBond were delighted with the results that speak for themselves,” said Stephen Cooke, President and CTO, Genesis Technical Systems, “Achieving 157 Mb/s at 1450 metres with 12-pairs and 77 Mb/s at 1300 metres with 4-pairs is a revolutionary solution for operators.”

*mBond* has been tested with a variety of different operators and service providers for both mobile and fixed networks. Similar results were also demonstrated at Genesis’s test facility in Europe, showing continued success for the solution and its capabilities.

Genesis is showcasing its environmentally friendly *mBond* at the Broadband World Forum exhibition on stand F19 from Tuesday 22<sup>nd</sup> to Thursday 24<sup>th</sup> October 2013. Please contact [amy.macdonald@proactivepr.com](mailto:amy.macdonald@proactivepr.com) to arrange briefings and interviews with Genesis during the event.

#### **About Genesis**

Genesis Technical Systems provides the ground-breaking *DSL Rings*<sup>®</sup> and *mBond*<sup>™</sup> technologies, delivering affordable superfast broadband over existing copper networks.

*DSL Rings* changes the competitive landscape for voice, video and data telecommunications services by enabling superfast Internet bandwidth to rural and urban customers at a fraction of the cost and deployment time of other solutions.

*mBond* provides mobile telecommunications operators with a unique opportunity to dramatically enhance their copper-wired base stations’ capacity. Bandwidth needs are significantly increasing with the deployment of high speed data services such as 3G and LTE. Therefore, telecoms operators need to enhance their BTS backhaul as fast as possible while keeping their costs low.

Genesis has offices in Calgary, Canada, and Coventry, United Kingdom.

For more information, visit [www.genesistechsys.com](http://www.genesistechsys.com) and [www.facebook.com/genesistechsys](http://www.facebook.com/genesistechsys).

#### **Media Contacts**

Clair MacKenzie  
Genesis Technical Systems  
Marketing Director  
Tel (Mobile) +44 (0) 7823 332410  
[clair.mackenzie@genesistechsys.com](mailto:clair.mackenzie@genesistechsys.com)

Amy Macdonald  
Proactive PR  
Tel (Office): +44 (0) 1636 812152  
Tel (Mobile): +44 7824 152 084  
[amy.macdonald@proactivepr.com](mailto:amy.macdonald@proactivepr.com)