AimValley announces TDMoP core for Mobile Backhaul

HILVERSUM, The Netherlands, February 22, 2012 -- AimValley today announced the availability of the AC2050 TDM over Packet core for Altera FPGAs.

One of the main challenges in mobile backhaul networks is the transition from TDM to packet based infrastructure. TDM over Packet offers operators a smooth migration: TDM traffic from mobile base stations is packetized and transported on a unified packet backhaul network.

AimValley's AC2050 TDM over Packet core simplifies the design of wireless backhaul systems and enables integration of all TDM and packet functions on a single Altera FPGA. With its support for 32 E1/DS1 framers and SAToP as well as CESoPSN mapping it enables ODMs and OEMs to reduce time-to-market and develop compact and cost effective equipment for the fast growing mobile backhaul market .

The new core is based on the successful and scalable TDMoP devices: AC2150 for the network edge, and AC2380 for aggregation applications. AimValley already shipped devices for several millions of TDMoP E1/DS1 lines.

"Our TDMoP solutions provide critical features such as DCR, ACR or retiming independent per channel", says Jan Venema, CTO of AimValley. "With our expertise in synchronization and clock recovery we enable our customers to build Carrier Ethernet backhaul products with excellent jitter and wander performance."

The AC2050 is available as an Intellectual Property (IP) core, fully compliant with Altera’s Qsys system integration tool. Qsys allows designers to easily connect, simulate and test IP cores in an FPGA. A complete Mobile Backhaul system can be built by adding other functions from the Qsys library to the AC2050 core and rapidly prototype and test on an evaluation board.

AimValley can provide a dedicated evaluation system to help developers rapidly build and test a specific system configuration. Software drivers and the interactive online scripting environment enable plug-and-play configuration and prototyping for fast time-to-market.

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About AimValley

AimValley, founded in 2003, helps companies to get a grip on their telecom and data networking technologies. The company does so by providing state-of-the-art technological solutions for telecommunications and data communication systems providers. AimValley offers a full range of system level services including product

definition and architecture, software design, systems testing, hardware design, and factory introduction. From standalone consultancy to comprehensive turnkey solutions. AimValley builds on its experience at leading telecom suppliers and technology research labs. More information via www.aimvalley.com.

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