u²t Photonics unveils Integrated 40G DPSK Receiver

Berlin, Germany, September 19th, 2008 – u²t Photonics AG, a provider of innovative, leading edge optoelectronic components for fiber optic systems, unveiled its IDRV series as first product of its new product platform of integrated optical receivers supporting higher order transmission formats such as DPSK or DQPSK.

The new product series comprises u²t's well established balanced receiver technology in combination with Kylia's delay line interferometer technology based on free-space optics. The compact new receiver eases the design of DPSK systems by reducing the foot-print of the optical front-end and avoiding the critical fibre routing and component matching required when using discrete components. Transponder and system manufactures are enabled to build smaller form factor sub-systems and therefore to further reduce size, power and cost of 40 G systems.
The product has been specified in close cooperation with leading transponder and line card manufacturers and it will be offered in different variants and with optional features allowing for special customer requirements.

In order to quickly develop this new product generation and to support the fast growing demand the two companies entered into a cooperation earlier this year and are working closely together utilizing both companies' know how, expertise and strengths in the most efficient way. Kylia's free space optics technology is used in a variety of stand alone products such as delay line interferometers for DPSK applications and 90° Hybrids for coherent detection. u²t's balanced technology is widely used in the DPSK deployment.
Both companies are committed to complete this new development and to finish qualification early 2009.

"This integration between so different technologies is now possible thanks to leaps forward in the micro optic assembly process domain", said Frederic Verluise, Kylia's CEO , "Now this innovative integrated optical receiver opens the door to many compactness-driven complex optoelectronics modules such as integrated coherent receivers"

"With flexibility on both sides we have achieved an amazingly fast progress in our joint activity", said Jens Fiedler, VP Sales & Marketing at u2t, "resulting in provision of this new platform just at the time of DPSK technology transition from line card to transponder solutions. It will help to significantly reduce our customers' design effort, to save board space and to obsolete fibre routing between DLI and balanced receiver."

u²t announced the availability of prototypes of its new product platform starting now . The IDRV series is targeted for volume production in the first half of 2009 and will offer a price benefit against the discrete solutions when delivered in volume.
The product will be demonstrated at this year's ECOC, 22nd to 24th September in Brussels at u²t's booth #188.

Kylia is the free-space technology leading company. Kylia designs, develops, manufactures and markets innovative fiber-optic products for the telecom networks.
Kylia leverages its in-depth knowledge in optic design to immediately release industrial products meeting market demands and trends. Kylia integrates his components into customer's modules for a complete industrial solution.

u²t Photonics AG, founded in 1998 and headquartered in Berlin/Germany, is a leading supplier of ultra-high speed optical detectors and receivers up to 100GHz.
Based on its unique and mature technology u²t develops, manufactures and markets highly competitive products for High Speed Communication applications and detectors with superior performance for Test and Measurement Equipment vendors. A platform approach based on building blocks enables u²t to offer a comprehensive and fully TELCORDIA qualified portfolio supporting the requirements from transponder vendors, line card and system designers as well as test equipment vendors. u²t is ISO certified and offers high quality of service.

contact:
Jens Fiedler, u²t Photonics AG, Tel. +49 (30) 726 113 530, fiedler@u2t.de