

Mintera achieves record ultra long haul transmission distance at 40 Gb/s

Post-deadline paper accepted for presentation at the OFC conference this week

Lowell, Mass. - March 19, 2002 - Mintera Corporation, a next generation 40G optical network transport start-up, today announced that it demonstrated error-free transmission of 40 channels at 40 Gbit/sec over a record distance of 3,600 Km of UltraWave™ terrestrial dispersion managed fiber without electrical regeneration. This breakthrough performance was achieved with typical terrestrial optical amplifier spacing of 100Km, channel spacing of 100GHz, and by using all-Raman amplification.

The transmitter and receiver in the system employ electronic time division multiplexing for interfacing to the lower speed client signals (e.g. 4 x 10 Gb/s from routers, switches, SONET add-drop multiplexers), Forward Error Correction (FEC) technology and carrier-suppressed Return-to-Zero (CS-RZ) modulation on the ultra long haul optical link.

Moving from today's 10Gb/s systems to 40Gb/s brings significant capital equipment and operating cost reductions to the carriers as well as much needed improvements in time-to-revenue through simplified provisioning of services. These benefits combined with the performance improvements that will be achieved once routers with 40 Gb/s interfaces are deployed will make 40 Gb/s optical transport a key element of next generation networks.

"Mintera's record breaking results represent a new proof point that 40 Gb/s ultra long haul optical transport is a viable lower cost alternative to high capacity systems that utilize higher wave counts and lower speeds per wave" said Menachem Abraham, President and CEO of Mintera.

Dr. Benny Mikkelsen, Mintera's Vice President of Optical R&D, will be presenting additional details about the technology and test results at the Optical Fiber Conference, in Anaheim California, on Friday March 22, 2002 at 10:30 in Ballroom E.

About Mintera

As the technology leader in 40G transport solutions for metro-core, regional, long haul and ultra long haul optical networks, Mintera is creating a new wave in network economics. Mintera's flexible multi-service 40G product-set, protected by multiple pending patents, allows service providers to seamlessly upgrade their existing infrastructure to 40G while radically decreasing initial deployment capital expenses and lifetime operational costs. Mintera opened its doors in October 2000 and raised \$26,000,000 in its first round of equity financing in December 2000. Venture capital firms Court Square Ventures, Star Ventures, Portview Communications Partners are lead investors in the company.