Nistica, supplying optical subsystems for the network edge, unveils FLEDGE series and notes customer traction
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June 5th **Nistica** of Bridgewater, New Jersey, a startup developer of optical subsystems founded in January 2005 by Thomas Strasser and Jefferson Wagener, which

a. Says it has numerous patents pending on its products, methods of development and software algorithms.

b. Claims to have developed a new class of intelligent, low-cost, flexible optical subsystems designed to scale at "healthy" margins and to automate the edge of service provider networks by helping to simplify the deployment and reconfiguration of optical capacity between growing broadband access networks, used for consumer multimedia and enterprise wavelength services, and high-powered optical core networks.

c. In late May 2006 announced unspecified Series A funding from PA Early Stage, Technology Venture Partners and a number of individual investors, including the company's chairman William Cadogan, a former chairman and CEO of access specialist ADC.

Has now introduced the FLEDGE series of optical subsystems for the network edge, consisting of:

1. FLEDGE THREE: a hitless tunable filter designed to be a low-cost replacement for current fixed optical ADMs that are limited by wavelength specificity and long lead times.

2. FLEDGE TEN: an edge ROADM module able to add-drop up to eight wavelengths from the entire C-band of the optical spectrum, and suitable for low-cost, low-capacity add-drop applications where remote activation of services and network scalability is critical.

3. FULL FLEDGE: an edge ROADM module able to add-drop up to 16 wavelengths from the entire C-band and targeted for higher bandwidth locations in the edge network, where carriers expect to use more than eight wavelengths, but need a low-cost scalable solution today.

Designed to maintain high optical performance levels while delivering "up to 80%" lower first costs than those of comparably functioning systems, the FLEDGE series is said to be characterised by sharp filter edges, flat tops and low optical insertion losses, allowing graceful growth of bandwidth at line rates of up to 40 Gbit/s. The series is available with optional channel monitoring and variable power control features.

According to **Nistica**, the products have been tested in prototype form in more than ten customer labs and are said to be already in the process of being designed into automated edge solutions by OEM vendors.

Ashish Vengsarkar, **Nistica** CEO, was quoted as saying:

- "We are bringing this new class of products to market because the network edge demands flexible, intelligent optical power at a fraction of traditional core ROADM costs".

- "We're already engaged with incumbent vendors who are poised to optimise performance for new service delivery in the carrier and cable networks".

- "**Nistica** delivers zero-touch provisioning and wavelength management to traditional MSPP and optical transport systems vendors, at cost levels that make it affordable to widely deploy ROADM technology in the distributed edge environment".

For further information go to http://www.opticalkeyhole.com