

## 3SP Group Introduces the World's Most Powerful 980 nm Pump Modules for Next-Generation Optical Amplifiers

**Nozay, March 6, 2014** – 3SP Group, a world leading manufacturer of InP and GaAs laser chips, optical discrete modules and components for telecommunication networks, will launch the industry's most powerful 980 nm pump laser module, capable of delivering up to 950 mW of operating power (1045 mW Kink-free power) for network amplifier applications, at OFC/NFOEC in San Francisco, CA, March 11-13.

3SPGroup leverages its technological expertise in building a new generation of ultra-high power pumps for terrestrial applications that will form the cornerstone for Next-Generation Erbium-Doped Fiber Amplifiers (EDFAs).

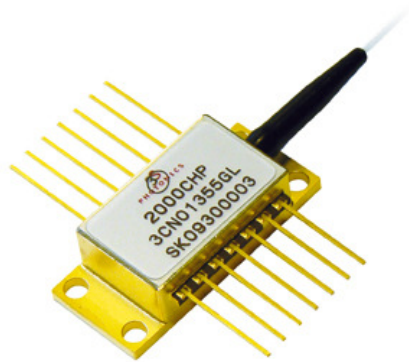
3SPGroup is extending the operating power (Pop) of the 2000 CHP Series of pump modules up to 950 mW Pop ex-fiber Pop while maintaining a low operating current, thus creating the world's most powerful 980 nm single-mode pump modules product family for telecom applications.

The 2000 CHP modules with 950 mW Pop represent a significant step forward for the design of Next-Generation network amplifiers by offering higher output power for EDFAs, reducing component count and lowering cost and power dissipation, while allowing extended spans and an improved noise figure performance.

The pump module incorporates a new GaAs laser chip based upon the 3SPGroup submarine qualified technology, the proprietary design offers more output power with similar levels of operating current and reliability. This laser chip, made in 3SP Group in Nozay, France is packaged in an industry standard hermetically sealed 14-pin cooled butterfly package and wavelength locked by a Fiber Bragg Grating (FBG) integrated into the fiber pigtail. The resulting 2000 CHP module offers stable performance over a wide dynamic range.

*"The new 2000 CHP Series of pump modules represents a technological breakthrough and it will be a key component for the Next-Generation of powerful and cost effective EDFAs which require highly reliable pump lasers with ultra-high output power in order to support the increasing technical requirements and constraints of optical networks"* explained Jean-Michel Bonard, Vice President of Sales and Marketing at 3SP Group. *"Ultra-high power pumps provide a significant cost and real-estate reduction to EDFAs by reducing the quantity of pumps"*

The 950 mW Pop 2000 CHP is RoHS 6/6 compliant and Telcordia GR-468-CORE qualified. Product samples are already available and are currently being evaluated by customers while general availability is scheduled for June 2014.



**950 mW Pop 2000 CHP pump samples are available now.**

**About 3SPGroup**

3SPGroup is a leading provider of innovative optical products and solutions for Lasers, Sensing & Telecom markets. The Group designs, manufactures, and markets high reliability active & passive optical components and modules for the telecom, sensing & laser markets. It develops ultra-reliable fiber-optic systems including high-power fused components, optical sensors and fiber laser components. Through its Avensys Solutions division, it also provides instrumentation and integrated solutions for process and environmental monitoring systems.

For more information: [www.3spgroup.com](http://www.3spgroup.com)

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