



*“Our mission is to enable our customers to continuously improve their successful product applications through our competencies and abilities in the field of semiconductor optical devices.”*

## **Company Overview**

EXALOS AG is a spin-off company from Opto Speed (Zuerich) AG founded in June 2003 by dedicated professionals. Our goal is to develop, produce and sell Superluminescent Light Emitting Diodes (SLED) and other optoelectronic devices to the fiber optic gyroscope, medical, test equipment and sensor industries.

EXALOS has assembled a talented team with extensive hands-on experience involved in all optoelectronic device processes from design through packaging. The team was successfully driving the SLED product line at Opto Speed over several years, from product development through sales and marketing having built a solid customer base.

## **EXALOS Products**

EXALOS SLED products find a wide variety of applications in fiber optic gyroscope (FOG), optical coherence tomography (OCT), fibre optic test equipment performing chromatic and polarization mode dispersion (CMD and PMD) measurements, optical channel monitors, sensors for strain measurement in civil engineering structures, as well as temperature and pressure sensors. The 830nm, 1300nm and 1550nm product lines are addressing specific and known customer requirements. Based on our superior product platform, our products offer exceptional output powers, optical bandwidth, and reliability at industry leading performance levels.

EXALOS envisions several additional product lines for future development intended to be strongly application oriented and offering higher functionality. The basic concept is to integrate functionality at the module level and to offer easy to apply products.

## **Management Team**

All EXALOS team members assembled a minimum of 3 – up to 25 years – of industry experience working in the area of optoelectronic and microelectronic devices. The team strengths cover the expertise required in product development, customer interactions, supply chain management and qualification of products, plus sales and marketing. The team has an in depth knowledge of the customer’s applications and is therefore able to work with you by helping to reach optimal solutions within your markets.

### Johann-Peter Bitterli – Co-founder and Head of Sales and Marketing.

He was co-founders of Applied Motion Products Inc, where he successfully developed the product line, the manufacturing line and the European sales organization. He also coordinated the ramp-up for high volume production in their Singapore plant. He held leadership positions in different small and larger size companies; including CEO at Kontron Electric AG and Sales & Marketing manager at Warner Electric Inc and Opto Speed. He was Director of Sales & Marketing of the VPB division of SIEMENS where he successfully implemented efficient OEM product sales tools.

### Christian Vélez, Ph.D – Co-founder and Chief Technical Officer.

He covered the global sales and marketing activities for B2B markets of optoelectronic devices at Opto Speed, Ticino. He was a member of the management team of Opto Speed Zürich AG, where he acted as Product Line Manager and Key Account Manager for the SLED product line. He successfully built up and managed the product line team. He developed new products and expanded them to serve customers in telecommunications, fibre optic sensors, medicine and fiber optic gyroscopes. He increased the product market position through the active involvement in the design activities with strategic customers.

Jan Lewandowski, Ph.D – Engineering Manager.

He was responsible for the development of high power lasers as fibre laser pump sources for medical and industrial applications. During his subsequent work as Manager of the Burn in and Test facility at JDS Uniphase / Nortel Networks, Switzerland, he oversaw the work of engineers and technicians in the development of a production facility for laser subassemblies and developed an automated laser test system. Recently, as Process Engineering Manager at Opto Speed, Switzerland, he was responsible for all processes in the back end and front end of lines. During this time he successfully developed and qualified lifetest and burn-in equipment for SLED device applications and developed the logistics tracking system software for testing and shipping products.

Stéphane Chappuis – Supply Chain Manager and Product Support Manager

Has more than 11 years of professional experience in the development, manufacturing and sales of components for the telecom-, defense- and medical industry. While at Diamond SA, he specialized in the development and manufacturing of high accuracy optical connectors. He served JDS Uniphase / Nortel Networks, Switzerland, as product line manager for broad area laser, and developed the marketing and business plan. Recently, he was a member of the management team of Opto Speed Zürich AG, where he acted as Sales manager.

Lorenzo Occhi, Ph.D. – R&D Manager

He worked five years for the Institute of Quantum Electronics at the ETH Zurich where he investigated semiconductor optical devices based on InP material. His work involved many aspects of the development of these devices, including the numerical modeling, wafer processing, and experimental characterization. He successfully developed a computer program which is able to model semiconductor optical devices. He joined various international scientific projects. In particular, in the frame of the European project COST 267 he acted as working group chairman coordinating various laboratory experiments in 17 universities and companies.

## **EXALOS AG opens new facility**

Significant progresses in setting-up the company have been made, and as per 1<sup>st</sup> of August we are glad to inform you that EXALOS AG has opened its facility within the Technology Park of Zurich, Switzerland. Our facilities - including offices area and clean room premises - are already operative.

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EXALOS has started operation and small quantity orders can be accepted and delivered within some weeks time.

Please sent your inquiries to **sales@exalos.com** or contact us directly.