

NEWSLETTER

Technobis Group

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INTRODUCTION

Yes, it's still winter here in Holland. While everyone else seems to be clinging to the hope of skating on frozen canals and lakes, I am longing for the first day of spring sunshine. Perhaps that's because of the beautiful weather we had when we attended Photonics West in San Francisco at the beginning of February. We had the chance to rent bikes and cycle over the Golden Gate bridge, continuing out to Muir Woods. A beautiful trip, but a tough one too.

Photonics West was a relatively quiet event from our point of view: plenty of people passed by but not so many stopped at our booth. Perhaps it's a sign that we should make some changes to our marketing strategy. We certainly had plenty to show. Our new photonic chips and packaged photonic chips for FBG sensing were on display. Fortunately, we met a lot of familiar contacts and were able to update them on our progress: the incredible resolution of the Ladybug interrogator (0.4 femtometers), the first results of the Gator (basic interrogator) chip, the TDM (time-division multiplexing) chip called 'Ant' and a number of other exciting features.

At the end of February, the Technobis Group was present at the medical event of the year: Medtec, at Messe Stuttgart in Germany. It was an ideal opportunity to demonstrate the synergy between Technobis Mechatronics and Technobis Fibre Technologies.

I am happy to report that our efforts have resulted in new projects, new employees and steady growth in the company's turnover.

You can read more about all the latest developments in this newsletter.

Best regards,

Pim Kat, CEO



Technobis Group

Technobis Group is a developer and supplier of high-tech instruments and modules for the most dedicated national and international OEM companies.



Technobis Mechatronics (TBM)

Technobis Mechatronics specializes in complete product development projects, from the initial idea to a successful turnkey product, prototype or series product. Building on over fourteen years of experience, we have proved ourselves as an established supplier to mechatronic systems companies in a range of markets.



Technobis Fibre Technologies (TFT-FOS)

Technobis Fibre Technologies specializes in the development and supply of total solutions in high-speed, high-resolution and multi-sensor fibre interrogators and sensors.

NEW FACE AT TFT-FOS



In September 2012, Wouter Roest joined TFT-FOS as project manager for the Lady Bug ultra-high resolution strain measurement project.

Wouter has a PhD degree in physics with specializations in optics, lasers, semiconductors and superconductors.

Over the past 10 years he has gained a wealth of experience in managing research

departments and high-end research projects. As part of the flexible Technobis workforce, Wouter will be employed via TMC for the duration of the project.

The ambitious aim of the Lady Bug project is to push the boundaries of strain measurement with the application of an ASPIC interrogator and narrow band π -shifted FBG sensors.



NEW FACE AT TFT-FOS



Dolf Timmerman has been working at TFT-FOS since September 2012. At TFT-FOS, Dolf is involved in the development of photonic integrated circuits (PICs) for various sensing applications. His work includes the experimental validation and characterization of these circuits.

Dolf obtained his PhD in Physics at the University of Amsterdam, where he carried out research on the use of nanotechnology for a new generation of high-efficiency solar cells. He focused on the optical spectroscopy of nanometer-sized particles to determine their response to irradiation with light and studied the processes taking place at microscopic scale.

24 JULY 2012 | FAILURE TEST TAPAS

www.tapasproject.nl





NEW FACE AT TFT-FOS

Ferry Bult recently joined TFT-FOS as a business development manager, focusing on aerospace and the automotive industry. Ferry has a strong commercial background in bringing high-tech solutions to the market, with over 12 years of international experience in the field of software and sensor technology.

In 2000, Ferry founded high-tech company DMDsecure, where he was responsible for all commercial operations. DMDsecure was acquired by NASDAQ-listed SafeNet Inc in

2005. After the acquisition, Ferry worked at Xsens, a provider of 3D sensor technology, where he managed their activities in the global character animation market.

Ferry has a Master's degree in Business Administration from Erasmus University Rotterdam.



MOVING ON: TFT-FOS DEVELOPS ITS FIRST IPAD APPLICATION!



iPads are turning out to be a very useful tool in managing system control and maintenance tasks. iPads power up immediately, allow extensive programming, and provide new and sophisticated navigation features with perfect touch control.

This first app shows strain readout data that has been transferred wirelessly. A maximum of 32 sensors connected to the Deminsys device via a wireless network router will still allow data streaming at a 20kHz frame rate thanks to a very effective method of data packaging and data compression.

TFT-FOS is currently developing a more advanced app capable of monitoring complete sensor networks for SHM purposes. Event logging and alarm indicators, 3D network visualization combined with zooming and panning features, measurement data analysis and fast reporting: in performing maintenance

tasks everything is possible when you bring system monitoring as close as possible to the people.

Interested?

Contact TFT-FOS to obtain your own personal Interrogator App.



MEDTEC FAIR

On 26, 27 and 28 February, Technobis Group was present at the Medtec fair in Stuttgart. Medtec is an important fair for suppliers to the medical market in Germany.



As developer and supplier of medical and life science instruments, Technobis Group joined the Holland pavilion, with the aim of securing a successful entry to the German medical market.

During the business lunches and matchmaking events at our booth, we established contact with several interesting companies and people from a range of different countries.

All in all, we can look back on our Medtec adventure with satisfaction. We are confident that business opportunities in the German medical market will arise in the near future!

MEET US AT:

PHOTONICS EVENT

Veldhoven, The Netherlands
April 24-25, 2013

LASER WORLD OF PHOTONICS

Munich, Germany
May 13-16, 2013

PARIS AIRSHOW

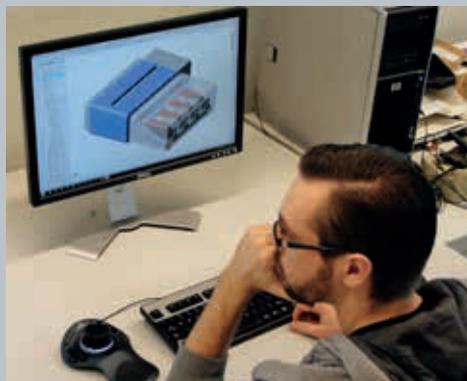
Le Bourget, France
June 17-23, 2013

NEW FACE AT TBM

Stef Fleer started his new job as manufacturing engineer for Technobis Mechatronics in mid October 2012.

This is Stef's first full-time job since he graduated last summer as a mechanical engineer from INHolland University of Applied Sciences. For his graduation project, he designed a CNC machining centre concept for the manufacture of wooden window frames. His other experience includes a number of technical traineeships as a draftsman for machines in the woodworking and packaging industry and as a maintenance mechanic in the cocoa industry.

At TBM, Stef is currently working on various projects for Perkin Elmer, Nikon and Avantium.



FBG ORDER WEBSITE

Visit our FBG order website and activate your account.
<http://fbg.tft-fos.nl>

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