

NEWSLETTER

Technobis Group

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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

Technobis Mechatronics specializes in complete product development projects, from the initial idea to a successful turnkey product, prototype or series product.



Technobis Fibre Technologies

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

Technobis IPPS

Technobis IPPS providing dedicated and high volume packaging services for niche markets for optical instrumentation and to complete the supply chain to efficiently develop PIC based systems.

INTRODUCTION

Thursday, October 17, we took the first step towards the realization of our brand new company building. After almost one year of preparations, we gathered with customers, suppliers, partners, project developers, financiers, journalists and the entire personnel of Technobis Group to hammer the first concrete pile into the ground. After years of searching for a new building capable of meeting our requirements, we concluded that it was simply too hard to find. Adapting an existing building to our needs would entail so much renovation work and investment that building from scratch would be more efficient.

With the help of NHN, the development office for the Province of Noord-Holland, we contacted multinational TAQA, which is setting up an Energy Innovation Park in Alkmaar. Technobis Group will be the first company to set up business at this park, which is due for completion in the next few years.

There are a number of reasons for embarking on this new chapter in our history. Firstly, the owner of our current building in Uitgeest is a rapidly expanding business in its own right and needs the space. Meanwhile, we are still expanding and in need of more test space, office space and meeting rooms. However, the most important reason lies in the restrictions we face in measuring the integrated photonic ICs that we are developing: this proves impossible during the day, when traffic constantly rumbles along the busy road in front of our office.

In the new building, we will have two dedicated testing facilities, in the shape of vibration-stabilized clean rooms suitable for testing ICs during normal working hours. We will be extending the number of test rooms for prototypes and functional models to five and we will have the down flow unit for optical chip characterization.

After 14 years of working from our facility in Uitgeest and expanding from 12 employees to 30, the time has come to double our workspace with a view to serving our customers from our new address in Alkmaar for at least the next 15 years.

I hope to meet most of you at our new facility in Alkmaar after we relocate on May 1, 2014.

Pim Kat, CEO

PHOTONICS WEST 2014

We are proud to announce that, for the seventh time, Technobis Fibre Technologies will be teaming up with the Holland Pavilion at Photonics West next year. Through the ages, seven has gained a reputation as a magic number with the power to activate the imagination and produce results through conscious thought and awareness. For numerologists, seven stands for a higher awareness, a wider point of view.

This year our presence at Photonics West in San Francisco is all about bringing Application Specific Photonic Integrated Circuits (ASPICs) to the market.

In the last few decades, awareness has been growing among a wider range of people that photonics is a key enabling technology. The applications of photonics are extremely broad and are continuing to expand at a rapid pace. Today, photonics is no longer seen as merely supplemental but is also viewed as a base technology platform, in a similar way to electronics. Integrated electronics is already used in billions of applications worldwide and its functionality continues to increase in accordance with Moore's law. Integrated

photonics is now following suit, emerging as a generic development platform for many future applications. While it will never replace electronics, photonics does look set to provide an enormous surplus in capabilities for an extremely wide spectrum of applications.

The Holland Pavilion will present a theme dedicated to the value chain for integrated photonics in the Netherlands. It will showcase the various PIC development platforms, design houses and their versatility, chip manufacturing at the foundries, packaging capabilities of photonic chips and the industrial integrators for bringing the technology to market. It will highlight the innovative drive of the Dutch technology sector and its extensive collaboration with industrial players in their quest to improve time-to-market through the GPICSFab consortium.

Technobis is also presenting IPPS (Integrated Photonics Packaging Services) as a new business. Given the imminent need for volume packaging of photonic chips, we have decided to forge ahead, with the well-considered assistance of our

partners. Packaging is one of the essential steps in bringing ASPICs to a market in which generic volume process has yet to be established. Extensive research has been done in photonic packaging on a range of technologies and for many applications throughout key industries. This trend is sure to continue for some time, and we feel that it is now time to act on these bright prospects for the future by embarking on a new voyage towards uncharted territories.

This is not simply a leap of faith: it is a broader awareness of what this technological breakthrough will bring us in the future. Sure, it requires imagination, an open mind and a heart big enough to meet challenging moments head on, but we are convinced of its potential for success, perhaps not immediately but certainly in the near future. With any luck, we'll prove the numerologists right and the magic number seven will bring prosperity to all of us this year.

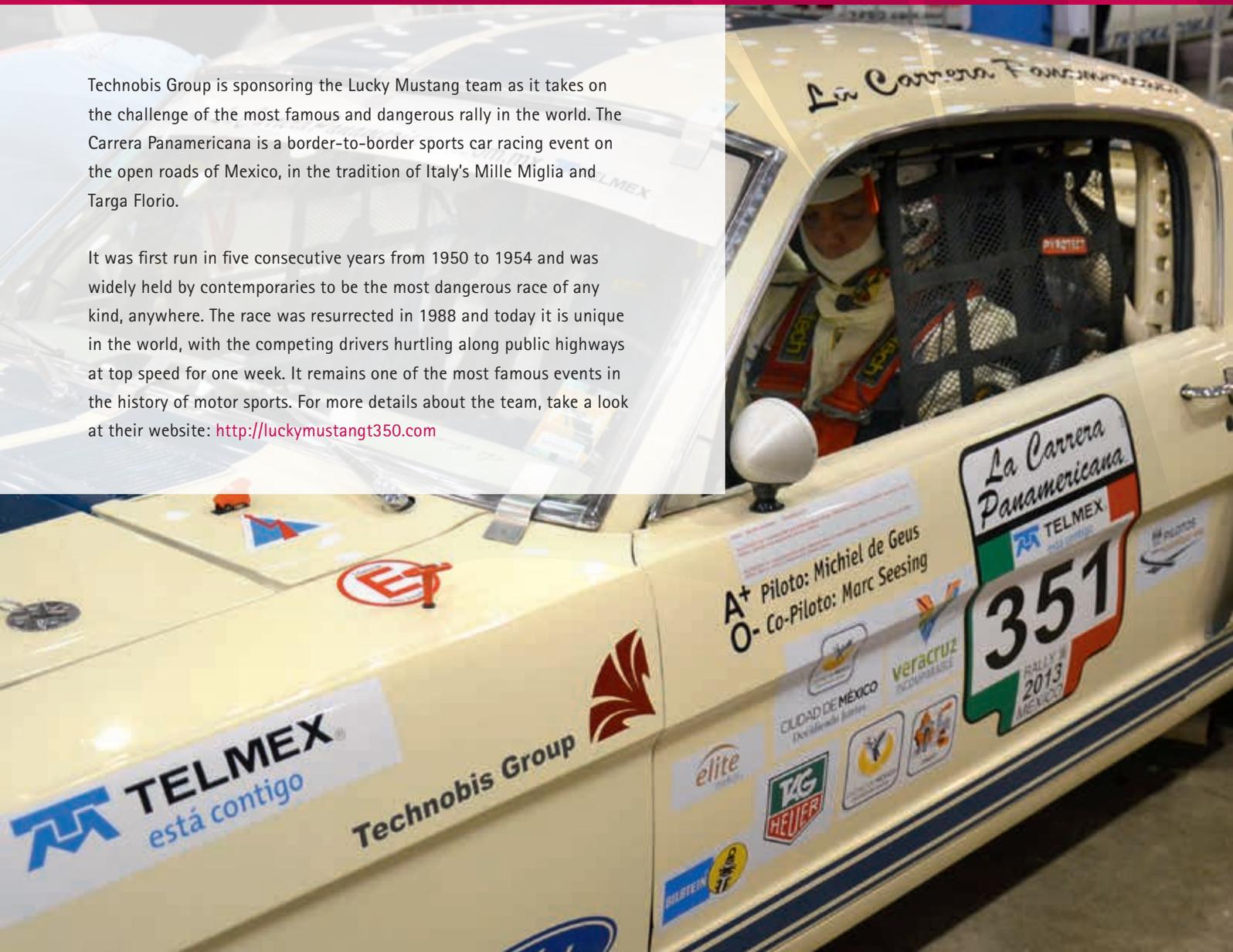




CARRERA PANAMERICANA SPONSORSHIP

Technobis Group is sponsoring the Lucky Mustang team as it takes on the challenge of the most famous and dangerous rally in the world. The Carrera Panamericana is a border-to-border sports car racing event on the open roads of Mexico, in the tradition of Italy's Mille Miglia and Targa Florio.

It was first run in five consecutive years from 1950 to 1954 and was widely held by contemporaries to be the most dangerous race of any kind, anywhere. The race was resurrected in 1988 and today it is unique in the world, with the competing drivers hurtling along public highways at top speed for one week. It remains one of the most famous events in the history of motor sports. For more details about the team, take a look at their website: <http://luckymustangt350.com>



TECHNOBIS FIBRE TECHNOLOGIES GOES AUTOMOTIVE

Technobis is developing a shape sensing system for use in a vehicle safety test system.

A leading supplier of sensors, data acquisition systems and software for crash tests is teaming up with Technobis Fibre Technologies to develop this shape sensing application.

Crash test measurements require fast, robust, reliable and easy-to-use sensing systems. Fiber optic sensing systems perfectly match these requirements. In recent weeks, Technobis has successfully performed tests of a concept set-up at the laboratory of a major car manufacturer.





TECHNOBIS GROUP MOVES TO ENERGY INNOVATION PARK ALKMAAR



On Thursday, October 17, Technobis Group announced plans to relocate to the Energy Innovation Park in Alkmaar. Member of the Provincial Executive Jaap Bond has given the official go-ahead to Alkmaar-based property developers Wadi Vastgoed, which means the construction of the business premises and office complex can begin. It represents an important milestone and a first step toward forming a cluster of innovative and energy-focused companies at Boekelermeer in Alkmaar.

Technobis has been growing steadily and has reached the point where a new company building at an appealing location is the next logical step. The Energy Innovation Park offers the perfect environment for the activities of Technobis and the ideal opportunity for expansion. The NHN development office has been a valuable partner in this process, providing the necessary guidance in finding a suitable location and acting as a broker with TAQA, the Municipality of Alkmaar and potential development partners.

NEW FACES AT TECHNOBIS GROUP

BENNY RAMSARAN

Enthusiastic and meticulous assembly employee working on life science equipment at Technobis Mechatronics

FRANK KONG

Enthusiastic and driven system engineer working on system analysis and algorithm development for data processing at Technobis Fibre Technologies

FREEK DE RIDDER

Focused and experienced project-leading engineer working on anesthesia equipment and tooling for packaging nuclear medicine at Technobis Mechatronics

ROGIER DE WIT

Flexible and experienced mechanical engineer working on anesthesia equipment at Technobis Mechatronics

MEET US AT:

PRECISION FAIR

Veldhoven, The Netherlands
December 3-4, 2013



PHOTONICS WEST

San Francisco, United States
February 4-6, 2014



APPROVED APPRENTICESHIP STATUS FOR MECHATRONICS

Technobis Mechatronics has been awarded approved apprenticeship status by Kenteq Knowledge Center in the technology sector. This means that we meet their high standards in providing learning opportunities and expert guidance for students.

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