

press release ZG-0902, Wenden, May 11, 2009

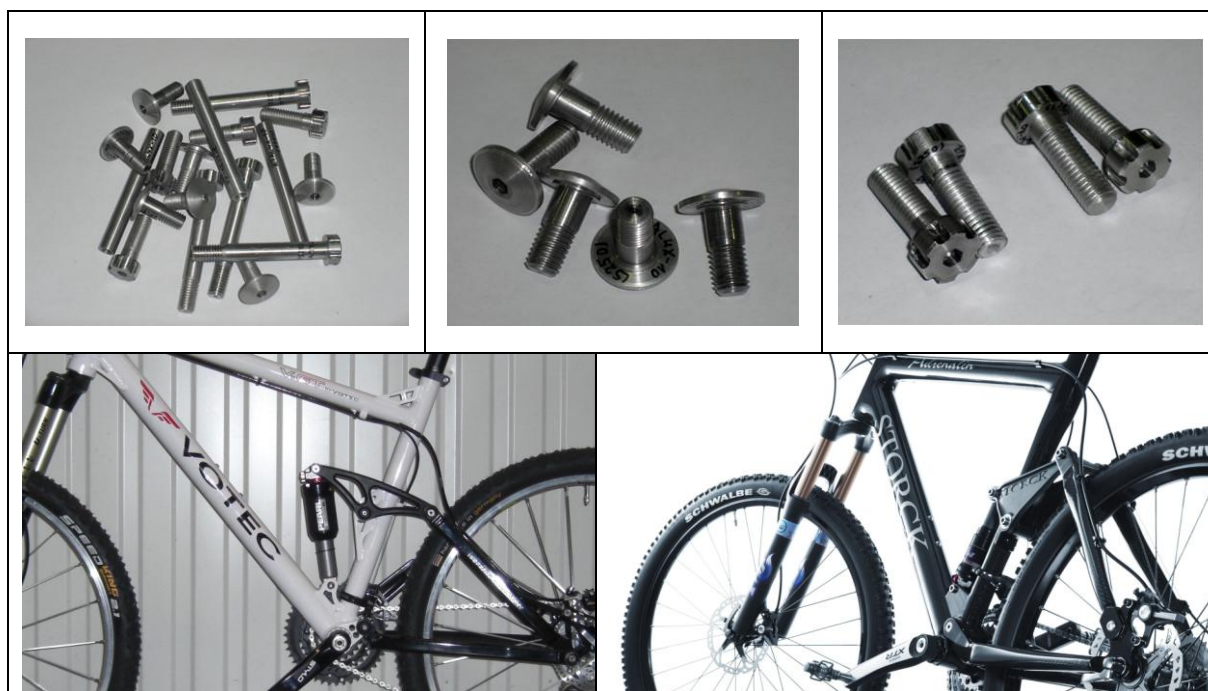
Hightech from Wenden and Leverkusen meets Russia at Houston



Nanotech 2009, one of the major conference and exposition events in applied Nanotechnology in the US was held from May 3. - 7. in the „George R. Brown“ convention center in Houston, Texas. The company Bayer MaterialScience with its headquarter in Leverkusen/Germany attended this event with a large booth on the German Pavilion in order to promote the Carbon Nanotubes made by Bayer (trade name: Baytubes®).

After a very successful Nano Tech in Tokyo in February, Zoz Group with its headquarter in Wenden/Germany participated already for the second time within this year upon invitation of Bayer since in a co-operation project Zoz is utilizing Baytubes® to manufacture a completely new Aluminium-powder material (Zentallium*).

Thus, from light weight metal and from Carbon Nanotubes, a nanostructured composite-material is synthesized that is currently used for the manufacturing of high-performance semi-finished products (rods and complex bars) as well as fasteners (nuts and bolts).



Zentallium®-fasteners from Zoz for High-End Bicycles from Hünsmann and Idstein

For the show in Houston, the President of Zoz brought along a handful screws and spacer shafts made by Zentallium* that again made a splash among the experts since they are even slightly lighter than aluminium but strong as steel.

During a fire-alarm on the last convention day, unfortunately these fasteners were stolen from a secured glass showcase where the thefts could not be caught even after a chase through the evacuation procedure of the George Brown Center and remained unknown. Such fasteners are already tested at High-End Bicycle manufacturers Storck in Idstein and Votec in Hünsborn (both Germany).



Right on the first convention day, Zoz has been invited by one of the largest R&D-centers of the US-Army (Picatinny Arsenal) to exhibit Zentallium* and Lithium-Ion battery-materials applications on their booth without any need to mention twice. This happened certainly not only because of an existing long term and very successful business relationship but also because the Army had exhibited large pictures

from processing technology made by Zoz at their booth.



at the booth of the US-Army ARDEC, Picatinny Arsenal, f.l.t.r.: Dr. Henning Zoz, Dr. Deepak Kapoor, Kristina Nicos (left in the picture: technology from Zoz)

One of the most prominent attendees of Nanotech has certainly been Anatoly Chubais, former deputy of Russia's President Vladimir Putin and today's CEO of Rusnano who is famous for being one of the major actors in the Russian state-economy reform. Rusnano was founded in September last year by the presidential decrees 1401 and has been capitalized with no less than 130 billion Roubles which equivalents to about 5 billion USD.

The basic goal of Rusnano is to attract and bring nanotechnology in particular from abroad to and push it forward in Russia. Insofar the Zentallium*-fasteners from Huensborn/Wenden did attract Chubai's highest interest since worldwide Bayer and Zoz represent the most advanced technology in utilizing Carbon Nanotubes.

The fastener-kits and other small parts for High-End Bicycles represent an important light tower function in order to achieve an access into automotive and in particular into the aero-space industry in mid-term. E. g. in the business of cylinder bolts for aluminium combustion engines or fasteners and components for airplanes and spaceships, strategic market entries shall be achieved.



f.l.t.r.:

Martin Schmid, Managing Director Carbon Nanotubes, Bayer MaterialScience AG, Leverkusen, Germany

Prof. Dr. Horst Adams Vice, President Future Technologies, Bayer International SA, Fribourg, Switzerland

Anatoly B. Chubais, CEO Rusnano, Russian Corporation of Nanotechnologies, Moscow, Russia

Prof. Dr. Henning Zoz, President, Zoz Group, Wenden, Germany

Sergey Polikarpov, Managing Director Rusnano, Russian Corporation of Nanotechnologies, Moscow, Russia

Georgy Kolpachev, Managing Director Rusnano, Russian Corporation of Nanotechnologies, Moscow, Russia

The importance of this development level has been recognized at Rusnano and corresponding invitations were given to Bayer and Zoz.

Latter ones have succeeded onsite right in addition to Nanotech with their cooperation where Zoz in future will not commercially manufacture Zentallium*-powder but this will be exclusively done by Bayer Material Science utilizing Zoz-equipment while for the time being at the Zoz-headquarter in Huensborn/Wenden.

There, a pilot plant with a manufacturing capability of 5 tons per year will be installed within this year. The long term goal is represented by 5.000 annual tons which would exceed all limits at Zoz location anyway. Following the companies understatement and philosophy, Bayer does not intend to manufacture parts so that Zentallium*-fasteners and other parts can still be made by Zoz.



Thus meanwhile Nanotech was held in the US, in Germany another consolidation route was tested for the first time and some smaller chain wheels were produced.

During the next and insofar the „3rd German Japanese Symposiums on Nanostructures“ which will be held in Wenden/Germany in next March, similar parts certainly will be on display and an excursion to the pilot-plant can be expected.

For this event, presentations from the presidents of Doerken MKS and High Power Lithium as well as high-ranking representatives from Prayon, Ford Motors, Dyckerhoff Cement, Bayer MaterialScience, US-Air Force and EADS are already confirmed.



3rd German-Japanese Symposium on Nanostructures
3rd International Symposium on Nanostructures

*February 28 - March 02, 2010
Wenden/Olpe, Germany*

OZ-10, 3rd German-Japanese Symposium on Nanostructures
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Finally there was popcorn made with military power supply where Lockheed also is a Zoz-customer and also some cookies were found at the German Pavillion.

