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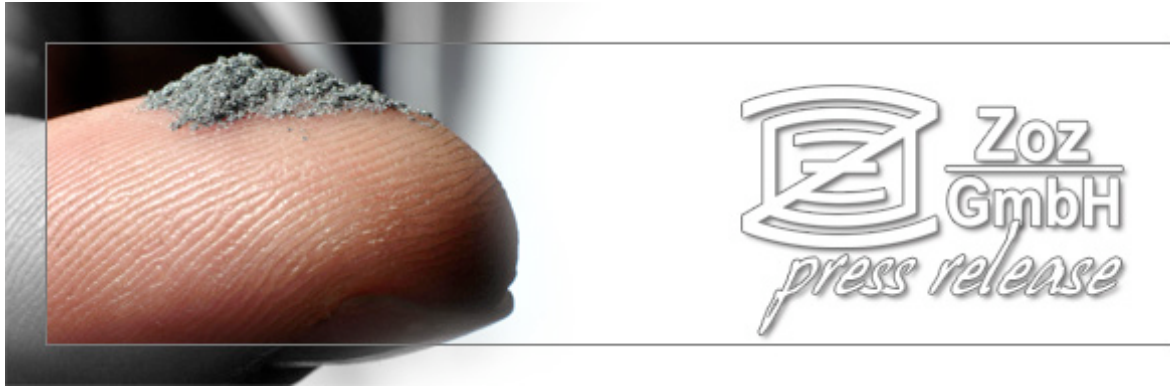
Pilot Plant for Lithium-Ion Battery Materials from Zoz

Zoz GmbH with headquarter in Wenden is related also to Lithium-Ion battery materials since about 8 years. Thus already in the years 2002-2004, Zoz did work in a European Funded Project (Nanobatt-ENK6-CT-2001-00509) together with the Israeli Battery manufacturer Tadiran Batteries, the Israeli Bar-Ilan University as well as the Metal-Chemical-giant Erachem/Eramet and the also French public CEA-Institute (atomic energy, aerospace, synchrotron etc.) in the development of nano-materials for high performance Lithium batteries. At that time, this research project did unfortunately not lead to any economically marketable results.

Thus Li-Ion accumulators are the highlights of interest in the entire energy-storage business due to their possible low weight at an extremely high cell-potential with a resulting extremely high energy density. However, in recent years large losses were met where e. g. just the manufacturers Dell and Toshiba had to recall more than 5 million accumulators from the market since such batteries spontaneously caught fire in notebooks, cameras, mobile phones and also in hybrid passenger cars (Toyota). With respect to the super high reactivity of Lithium, only metal-metal-oxide compounds are used in these accumulators and at that point and in particular due to the expected super large volume demand of thousands of tons of high efficient battery-material (light weight at high energy density) for the coming generations of hybrid automobiles a high need for development progress.

In these days and insofar 5 years later, first economic consequences came to Wenden indirect from the initial research project. Since early this year, it is known here, that the CEA-institute in France after the former joint project did keep on going for the former goal and this under utilizing a smaller Zoz-processing unit. The resulting and also top secret materials-systems development has now been acquired by the chemical corporate group Prayon with headquarter in Belgium in February this year and in consequence a first pilot plant was ordered at Zoz on June 26.

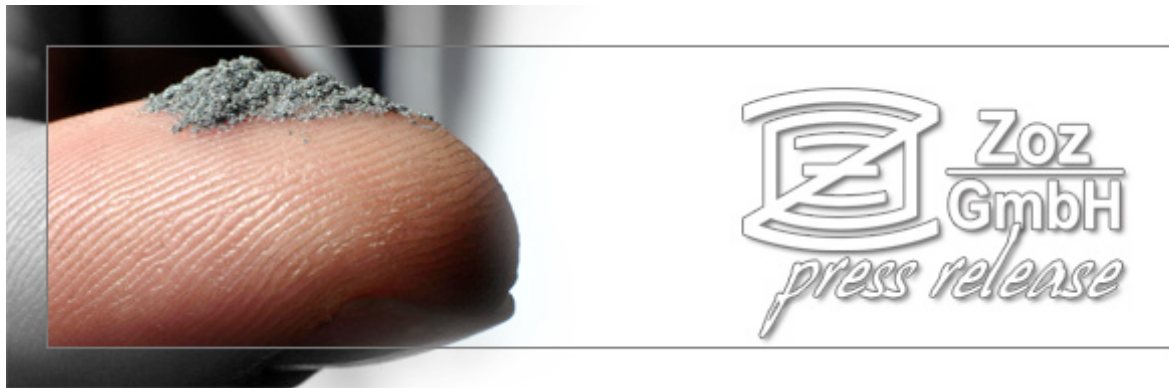
www.zoz.de



f.l.t.r.: Prof. Dr. Henning Zoz, Arnaud Reymond (Prayon), Dr. Hongming Ren (Zoz), Dr. Isabelle Willems and Louis Avarello (Prayon) at June 26 at Zoz in Wenden

Since the president of Zoz had to leave for the US the other day, Prayon came to Wenden which usually for these kind of negotiations should have been the other way around and does show the pressure in time to keep on with global development in business. The processing plant will be delivered and set-up in two phases end of this and early next year and has an account size of 1 Mio USD.

Certainly also because of the new business relation it has been decided at Prayon to participate in the "3rd German Japanese Symposiums on Nanostructures" (OZ-10) in coming March in Wenden where the reporter to the CEO, Fabrice Renard will contribute a presentation so that the state of the art also with respect to Li-Ion Batteries will be given in next March in Wenden.



These German-Japanese events are organized by Prof. Dr. Kei Ameyama and the president of Zoz, both Professors at Ritsumeikan University in Kusatsu/Japan. During the "1st German Japanese Symposiums on Nanostructures" (OZ-08) that was held in March 2008 at Siegen, Li-Ion Battery materials had already been part of the program.

Further presentations for the upcoming meeting have been confirmed already from the president of Doerken MKS as well as high-ranking representatives from Ford Motors, Dyckerhoff Cement, Bayer MaterialScience, US-Air Force and EADS.



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

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

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