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Zoz and FuturBeton in China

-Zoz-GIC Center in Changzhou-

opened by the Mayor of the 3.5 million metropolis and by the Chinese Construction Minister
FuturBeton manufactured online during workshop and tested with outstanding values after 20 h

Wenden/Changzhou

Zoz Group headquartered at Wenden/Germany today at Changzhou opened its first branch in China in the Jiangsu Province. Located between Shanghai and Nanjing, the so-called Dragon city Changzhou with 3.5 million inhabitants on an area of about 4,300 square kilometers was chosen, since here the cooperation partner of Zoz, Jiangsu Innovation (GIC) is located.



f.l.t.r.: Vice-President Xie, Mayor Shi, Minister Song, Prof. Zoz, Chairman Ruan, Alexander Zoz & Dr. Zhou

The Mayor of Changzhou, Mr. Zhijun Shi, the Chairman of the Jiangsu Technology Authority, Mr Renliang Ruan, the former Chinese Minister of Construction, Mr. Chunhua Song and the Vice President of the Chinese construction authority (MOHURD-CMEA), Mr. Xiaofan Xie, both from Beijing and more public dignitaries and of course the GIC's Managing Director Dr. Xiang-Qian Zhou - all came for the official opening ceremony.

Under the support of the European Academy of Sciences and Arts based at Salzburg, at the same time the "OZ workshop 2016 at GIC" with a focus on FuturBeton (Zoz nano-structured super-concrete, bridge Rosenthal/Germany etc.) was held.

For this, the eldest son of Prof. Zoz, Alexander Zoz had traveled to Changzhou last Saturday in order to virtually online process FuturBeton on Sunday and to cast 8 PCs of standard ASTM test-cubes in a neighboring Chinese construction materials institute. These were characterized on Monday by destructive testing for their compressive strength. To be on the very safe side, Alexander Zoz and Thorsten Lind (GIC Germany) even had carried the gravel for the FuturBeton from Germany in their flight-luggage ! And all efforts have been rewarded - as to be explained later in this report.

On last Monday, Prof. Zoz arrived at Changzhou bringing over two standard test cubes from FuturBeton in his hand baggage. These were previously made in Germany and also tested in China during the Workshop in Changzhou. Simultaneously, other cubes from exactly the same manufacturing series were tested in Germany at the company Runkel at Siegen and results transmitted virtually online and compared uniformly (15:00 pm in Changzhou = 09:00 am at Siegen).



f.l.t.r.: standard test cubes before and after encasing, test apparatus in Changzhou, video documentation of test series

All achieved values were outstanding and the invited guests from politics, industry, and particularly from the construction industry were deeply impressed.

FuturBeton in China, after only 20 hours setting time, has reached extremely high strengths from **45 to 49 MPa**. That's more than the final strength of conventional concrete after 28 days of curing time at 30-45 MPa. The simultaneous testing in China and Germany resulted in about equal final strength of **140-145 MPa !!!** At present and so far, there is no better even with FuturBeton! It shall be noticed, that as of about 60 MPa, the term applied is "high-strength concretes".



f.l.t.r.: Prof. Zoz and Alexander Zoz in presentations, Mr. Jasper Xu, simultaneous translator from GIC on very right

With such results from the neighbouring Cement-Institute on the screen, it has been a pleasure for Zoz & Zoz, after various lectures, to talk and negotiate particularly to those attendees representing Chinese cement, construction materials industry and authorities

where at least total 23 from all over China travelled to Changzhou for joining opening and workshop.



Alexander Zoz in individual discussions at Changzhou

E.g. Prof. Zoz discussed a good 2 hours with Wangming Jiang from Guizhou Southwest Cement Co. (17 megatons cement p.a.) and Tina Gong of GuiZhou WanRun HuiTong (3 megatons cement p.a.), first mentioned a public/state company and the latter a private enterprise, both located in Guizhou in the southwest of China about 2 hours away from Changzhou by flight. At the end, both had to rush to the airport, a visit at Wenden/Germany within the next few weeks is on the agenda now. E.g. Alexander Zoz spoke again to representatives from Pangu Cement Group (12 megatons cement p. A.), which he already had met in April (see ZG-1604) in Changzhou. In result, tomorrow a visit of the corporate office near Changzhou for a meeting with the owner/Chairman Suolin Zhang is on plan.



f.l.t.r.: Chen Peng & Wei Peng (Pangu Cement Group), Zoz & Zoz and Shen & Shen

On the occasion of the present "action" in China, Prof. Zoz had asked also Prof. Jun Shen from Tongji University in Shanghai, whom he knows already from his days at Harbin Institute of Technology a good 15 years ago, to come to Changzhou. Prof. Shen came with his son David, who studies at the University of Washington. Zoz and Shen are planning a close cooperation in China in the future.

Tomorrow 2x Zoz and 2x Shen will visit the Pangu Cement Group, the other day, Alexander Zoz will fly home and Prof. Zoz is heading for Sweden for presenting the opening speech for the Nano-Forum at the Swedish Academy of Sciences this Friday in Stockholm.

On the website www.zoz.de you can find a [photogallery](#) that tomorrow will be further extended and the particular pictures from this press-release can be found in original resolution under the following link:

<http://www.zoz-group.de/Downloads/Presse/ZG-1607-Pictures.zip>