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Information

about Celitement GmbH

Celitement GmbH “2.0” – change at the corporate structure of Celitement GmbH

Retroactively to 1 January 2020, SCHWENK Zement KG took over all shares of the previous fellow shareholders in Celitement GmbH, in other words KIT (the Karlsruhe Institute of Technology) and four inventors.

From having been a Schwenk affiliated company, Celitement GmbH became a full subsidiary of the well-established building materials group from Ulm.

Celitement GmbH was founded in February 2009 and by autumn 2011 had erected a pilot plant on the KIT site (Campus North, Karlsruhe) to develop the process and manufacture test material of the novel binding agent.

As part of a collaboration agreement with the KIT which expired in late 2019, Celitement GmbH continued to develop the manufacturing process based on several patents for these innovative hydraulic binding agents (known as hydraulic calcium hydro silicate - hCHS).

SCHWENK Zement KG will now invest in expanding the already existing pilot plant. The plans for this are almost complete. This will significantly increase the possible production output. After the expansion has been commissioned, selected innovators will be able to receive test quantities amounting to single-digit tonnes. These quantities are still not sufficient to construct larger concrete buildings with the innovative binding agent, but will enable large scale practical tests to be carried out in all of the areas of application that have been evaluated so far.

This means that after pure basic research at KIT and a phase of products and process development which was also very research intensive in the past years, Celitement GmbH is now entering the final phase before a decision is made by SCHWENK regarding the construction of a first industrial plant.

For SCHWENK Zement KG, investments in Celitement GmbH are not just a logical continuation of their previous innovation and development strategy in the field of development of entirely new construction materials. The takeover of the pilot plant expands the previously already exceptional research opportunities at SCHWENK Zement KG to include a unique pilot plant that includes a very innovative grinding technology among other things.

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