



At the financial district with PFT

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Higher – faster - further!

Conveying and plastering with PFT – all from one source

A building lot at the financial district in Frankfurt – skyscrapers and little space to move. Nevertheless an adventurous building project arises here – the Taunus Tower. It's unique profile will impact Frankfurt's skyline. With its 40 floors and the height of 170 m it offers enough room for spacious office areas, elevates apartments and restaurants at the first floor. Every detail of this major project focusses on sustainability. The innovative air-handling ceiling helps saving about 30 % of the energy consumption compared to regular systems. Precious drinking water is conserved by using special water-saving-techniques or rainwater utilisation. But energy and resources are not only saved after the opening. Even during the building process the innovative PFT technology makes work as easy and efficient as possible.

To overcome the enormous conveying height of up to 150 m, the pneumatic conveying unit PFT SILOJET was used. „The machine runs by no means at its performance limit, even 200 m are possible.“, says Josef Arnold, Head of innovation department at Knauf PFT. The PFT SILOJET is flanged directly under the silo; due to its compact construction a base area of 2,50 x 2,50 m is sufficient.

The powerful machine conveyed the Knauf gypsum plaster directly to the place of processing. Several tons of material were distributed comfortably all over the building lot. By using regular equipment the transportation of the material would require a conveying process in more steps - an additional logistical pressure that falls away by using PFT SILOJET. There were no interstations with extra conveying equipment – machinery and energy were saved. The mixing pump PFT G 4 mixed the plaster on each floor and so it was easy to handle.

Due to the elaborate technique of the machine that controls and regulates itself fully automatically its possible to convey up to three times more material within the same time than with standard equipment – a huge advantage that helps saving money. Common conveying machinery is only able to convey batchwise, with PFT SILOJET the mixing pump can be served continuously with material. PFT's perfectly matched technology increases the efficiency at every building lot. PFT SILOJET is the ideal and universal machine for industries. It's the perfect solution for every building lot, no matter if it's a family home or a skyscraper.

