

# Offenbach "City-Tower" with PFT Machine Power

The first skyscraper of Offenbach (near Frankfurt), the "City Tower", is currently being built on Berliner Strasse. The foundation-stone of this large-scale project was laid in early 2001. This office tower, 133 metres in height, will be the city's highest building. It is considered Offenbach's most important construction project in the next few years. Its slender silhouette with 37 storeys will make the "City Tower" a real landmark of this city on the river Main. After its completion in spring 2003, the office building will offer a rentable floor space of approx. 23,000 m<sup>2</sup>.

PFT participated in the construction of this high-rise building with state-of-the-art machine technology. Englert Maler & Verputzer GmbH, the Rothenbuch-based company that carried out the plastering, dry construction and joint filling work brought PFT machine power and the large-scale project in Offenbach together. Mr. Englert established his specialist business in April 1967 and today employs 30 persons. For this project, Mr. Englert received advice and support from PFT partner trader Schmitt & Orschler GmbH & Co. KG, Aschaffenburg, and PFT Sales Territory Manager Rainer Bleidt.

The problem with these high-rise buildings is the transport of the materials to be used to the upper storeys. When the plaster-receiving surfaces are relatively small, one might be willing to "carry

bags". In the "City Tower", however, walls approx. 14,000 m<sup>2</sup> in area were to be plastered with KNAUF MP 75 L. This required approx. 95 tonnes of plaster!

At this point, PFT machine power was given its turn. To plaster the lower storeys, the machine-applied plaster delivered in silos was simply blown directly into a PFT G 4 mixing pump with the aid of a PFT SILOMAT C 140 pneumatic conveying

system. Englert regards this "couple" as the optimal standard solution for plastering work. In one operation, just by one push of a button, the PFT SILOMAT conveys and the PFT G 4 mixes and pumps the plaster and sprays it on the wall.

From the 20<sup>th</sup> storey upwards, a PFT floor container was used as an intermediate stage for the storeys above. Through a injection hood, the

PFT on three levels of the Offenbach "City Tower": A PFT SILOMAT C 140 on the ground, for conveyance directly out of the silo; a PFT floor container on the 20<sup>th</sup> storey, serving as an intermediate stage together with a PFT SILOMATE E 140; and finally, a PFT G 4 mixing pump.

Very nice to see: The material is conveyed to a floor container and, using a PFT SILOMAT, up to the roof with additional energy. Once again, PFT kept things moving.



PFT SILOMAT on the ground pneumatically blew the material into the floor container. From there, a second, portable PFT SILOMAT, Type E 140, conveyed the material almost up to the roof. At the same time, the PFT G 4 mixing pump, used as a plastering machine, was taken to the top storey by storey. This combination of PFT equipment made it possible to plaster all walls of the "City Tower" in a very short time without any problems. At the end, a conveying hose assembly approx. 130 metres in length was installed.