

# It Needn't Always Be a Concrete Pump ...

In Lückleberg, a part of Dortmund (Western Germany), stands for a splendid art-nouveau house, formerly an elegant, three-storey, single-family home, which has to be converted into a building with three comfortable flats – on condition that the outward appearance be restored to its original state, in accordance with the regulations for the protection of historic buildings. This is exactly the right task for an experienced building company, such as the engineering firm Hemesoth in Hörter (south of Hanover). This company was founded in



1979 by civil engineer Ehrhardt Hemesoth and today employs 18 persons. Hemesoth offers consulting services, the supervision of building activities, turnkey construction, and also the renovation of old buildings. The sensible use of building machines simplifies and accelerates operations and permits the application of premixed dry mortar, according to civil engineer Hemesoth. Today, the machinery of his firm includes three PFT HM 5

horizontal continuous mixers and two PFT feed pumps. So far, the feed pumps have been used mainly for plastering work. The current chamber application shows that they are much more versatile. The construction project in Lückleberg posed the following problem: In this large art-nouveau house, certain parts of the building could only be torn down and renewed step by step.

New ribbed brick ceilings supplied by Lücking were installed in the entire house. They had to be grouted with concrete afterwards, depending on the progress of the operations. Since the work proceeded only stepwise, a concrete pump would have to be frequently rented at varying intervals for

a day or two.

The solution was provided by Spenner-Zement, a cement manufacturer based in Erwitte. Josef Nilges, the local sales territory, recommended a "chamber filling concrete" 0-8 mm in grain size for the grouting of the ceilings. A 25-tonne silo was put up and connected to one of Hemesoth's PFT HM 5 mixers. Then Hemesoth's PFT partner trader Moog, situated in Paderborn, took action.

Moog's field engineer Michael Hansmeier combined the assembly with the PFT ZP 3 feed pump using an integrated level sensor, so that the mixing and pumping equipment operated fully automatically. Through a PFT RONDO mortar hose 25 m in length and 50 mm in

diameter, Spenner's "chamber filling concrete" was easily pumped to every nook and cranny of this old house. Later on, all other concrete parts, such as pillars, jamb walls and concrete ceilings, were made in the same way. The greatest benefit of the PFT machine combination HM 5/ZP 3 is its complete independence of material supplies, because with this well-tried PFT mortar technology and pumpable concrete, even very small quantities can be mixed and conveyed to the application site at any time by one push of a button. Besides, the building-site silo can be refilled from the silo vehicle at any time, even during the application of concrete.



Mr. Hemesoth is highly satisfied with the proceedings at this building site and the fact that the costs of renting a concrete pump have been saved. The PFT equipment has operated without any trouble since the beginning of the work. Once again, the market leader in the field of plastering equipment has kept things moving.