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CABLE ENTRIES AND FLEXIBLE CABLE SEALING SYSTEM

POWER STATION GROSSENKNETEN

Cable entries and flexible cable sealing system NATURAL GAS PROCESSING PLANT



Power plant Grossenkneten



Cable entry system KES-M 150 with renovation wall sleeve SFR. Lead through the planned bottom slab for a pressure tight empty duct connection to the cable pits and for continuative laying in the ground of power and control cables.



Cable entry system KES-M 150 with pressure tight connection to the concreted wall insert HSI 150-K2.



Cable entry system KES-M 150 as water pressure tight and flexible lead through the bottom slab.



Precise alignment of the KES-M 150 system and the pipe sockets at the top of the finished floor level. Precise alignment with the top level of the flooring can be achieved by cutting to length the pipe sockets.



Cable entry system KES-M 150 with spacer for fixation and positioning of the hose bundles.

The construction of a combined power-heat generation facility was started in October 2012 with a planned performance of 30 MW electrical and 80 tons steam. Gas is driving a giant turbine which is moving the generator. The so occurring hot exhaust is used to generate the steam required for the production process via the heat exchange device. The power plant is supplying the electricity for the natural gas processing plant and the compressor station. The total volume of investment was at approx. 65 Mio Euro and the plant was launched in 2014.

For wall penetrations HSI 150-K2 wall entries with different sizes were installed. Connection at the wall and floor areas were done with the flexible cable entry system KES-M 150 and the Hateflex spiral hose. Cable entry systems are ideal for achieving optimized and pressure tight empty duct connections at buildings/manholes, to penetrate bottom slabs and to act as additional ducts for later use. The KES-M 150 and the renovation wall sleeve SFR allowed to built special floor penetrations to achieve the required floor level height and pressure tight penetrations.

PROJECT INFORMATION

Location	26197 Großenkneten Vor dem Esch
Construction company	Fa. Köster GmbH 49080 Osnabrück
Engineering	ILF beratende Ingenieure München beratend: Ing. Büro IMN, Müller und Nümann, 29313 Hambühren

SOLUTIONS PROVIDED BY HAUFF-TECHNIK

Specification	cable entries, cable sealing systems
Requirement	pressure tight duct system through the bottom slab/flooring
Products used	double wall insert HSI 150-K2 flexible cable sealing system KES-M150 with flexible pressure tight rubber sleeve connections and Hateflex spiral hose 14150 renovation wall sleeve SFR

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