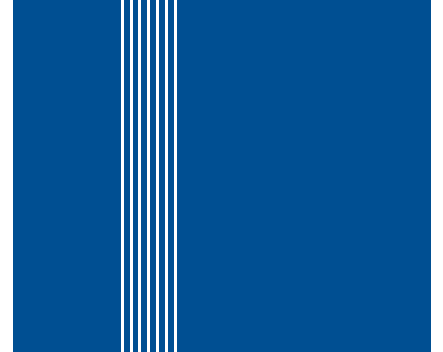


PRACTICE REPORT 40

Application examples for planners of complex construction projects



VENTAFLEX®

More efficiency in air guidance



New building of a vocational college in Hamburg

You can find more project examples under www.ventaflex.de



Successful as a team: VENTAFLEX® and Arge Bau

Collaborative work when optimizing air guidance
saves 1/3 of the originally planned budget



Task

The four retail trade schools, which have been spread over the city of Hamburg, are brought together to a complex at the location Bremer Tor. The plans for the „Vocational college for trade and administration Ackelmannstrasse“ were technically developed according to the latest standards in many aspects: the pedagogical equipment as well as the structure and function of the building comply with the highest standards. The city invested 71 Mio € for this nationwide most extensive school project.

Specific requirements were also laid down for the ventilation system. Accordingly the distribution of the needed air volume was supposed to take place from centrally constructed ventilation units to the individual building complexes in a room saving manner and invisible in the ground, respectively under the base plate.

Furthermore the realisation of the project was planned on a tight schedule – quick, clean work and good logistics were of particular great importance.

VENTAFLEX® solution

1. Great amounts of VENTAFLEX® ducts (Ø 520 to 920 mm) were put in the ground, with a total length of about 700 m
2. The neat installation plan as well as the thought out timing took care that all components fitted and were onsite on time for further processing. Additionally this is why it was possible to work extremely cost optimized
3. VENTAFLEX® implemented spontaneous adaptations and changes directly in order to guarantee the planned progress of the work
4. Hygienic characteristics of the air conduction and its light weight were the significant aspects for choosing a VENTAFLEX® system.
5. The good cooperation with local partners: The team of BTK Bau GmbH from Halstenbeck installed the VENTAFLEX® system competently and successfully

Advantages due to the VENTAFLEX® system

- + Time saving at installation** due to planning and pre-assembly
- + Particular durability** due to GRP-material
- + Up to 70 % less weight** – important for statics and handling
- + Tested technology** – handling and installation are self explanatory, accordingly easy to delegate to local specialist companies
- + Reduction of the operating costs** – up to 40 % less energy loss, up to 10 % less pressure loss and up to 99 % less leakage loss

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