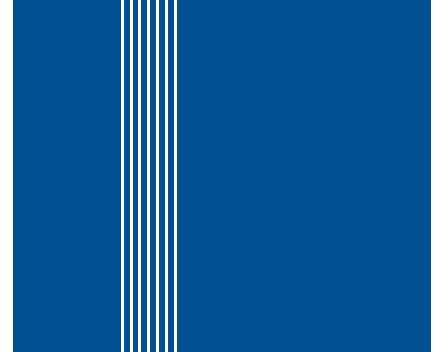


PRACTICE REPORT 42

Application examples for planners of complex construction projects



VENTAFLEX®

More efficiency in air guidance



Clean air for meat processing

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



Veld Koeltechniek and VENTAFLEX® – Once again a cross-border cooperation

Task

Under the lead of Veld Koeltechniek, a specialist of cooling systems from the Netherlands, a ventilation system of the VENTAFLEX® system was installed in the new built plant of Diviande in Veenendaal. Diviande is a producer of high quality frozen meat with a specialization on portioning, vacuum packaging and freezing of the goods. Diviande works with highest hygienic standards and possesses the BRC (class A) as well as the IFS (highest level) certification. Therefore strict requirements had to be taken into account regarding the ventilation of the workplace.

With VENTAFLEX® air conduction the operation during work time is now supplied with fresh air, following that the production halls are cleaned and disinfected. For this purpose the contaminated air is finally sucked out of the halls at full output and new clean air is blown in.

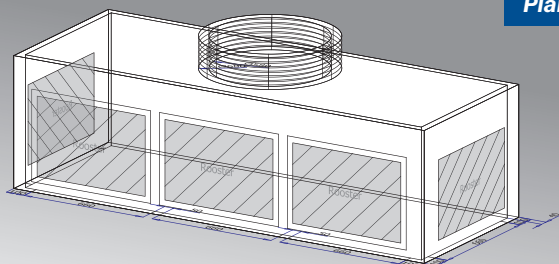
VENTAFLEX® solution

Next to many advantages, which the VENTAFLEX® air conduction offered for this project, the owner and planner benefitted of the proven flexibility of the system. Even before the delivery of the ducts the fixings were able to be installed and made a plannable, quick installation possible. The individual custom made air outlets made of PUR rigid foam are laminated with extremely resistant GRP and painted in preferred colour.

1. Hygienic characteristics of VENTAFLEX® air conduction are significant in this context: the smooth surface of the GRP material and the microbial inertness as well as the resistance against cleaning agents clearly makes the care and maintenance of the system easier
2. A ventilation unit delivers 50.000 m³/h, distributes in more than 100 ducts of Ø 580 to 1270 mm, up to the custom made air outlets
3. A second ventilation unit with 8.500 m³/h was installed with ducts Ø 420 mm and other custom made outlets

Advantages due to the VENTAFLEX® system

- + Certified hygiene conformity** of the ducts according to VDI 6022
- + Individual adaption to the conditions** by special components
- + Time saving at installation** due to planning and pre-assembly
- + Comfortable cleaning** of the smooth surface of the GRP material
- + Up to 70 % less weight** – important for statics and handling
- + Reduction of the operating costs** – up to 40 % less energy loss, up to 10 % less pressure loss and up to 99 % less leakage loss



Individual manufacture of air outlets

Plan



Realisation



Completed installation

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VENTAFLEX®
More efficiency in air guidance