

Reference: Slaughterhouse

Animal: 1.700.000 porkers/year

Country: Denmark

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Problem: Tican is a modern slaughterhouse and a global oriented food-producing company with its head office in Thisted (Denmark). The slaughterhouse is very proud of its local affiliation and most of the employees live close to the company. Hence, it is crucial for Tican that their activities are carried out in a way that avoids burdening the surrounding environment. As the slaughterhouse is placed in the middle of town, happy and content neighbours mean happy and content employees.

To eliminate the odour nuisances, which strains the employees and causes occasional neighbour complains, Tican in 2007 launched some precautionary measures to reduce the odour emissions from the slaughterhouse.

For this odour control system, Air-plus Denmark launched a revolutionary method to remove bad odours from stables and industries, which like Tican have huge problems with their environment for both people, animals and the surroundings.

The technique as such is not new, but the way in which Air-plus remarkably have solved the problem, is through an untraditional way of approaching the odour nuisances at their source. It is effectuated through using the odour-removing agent Biossa Air.

Dosage: Biossa Air is atomised into the room in a 5% solution through a high-pressure system. Every 9 minutes the system gives a 15 second spray dosage and each nozzle covers an area of 10 m². The system uses a capacity of 4 litres/hour or approximately 1 ml/second/m², corresponding to a daily consumption of around 10 ml Biossa Air/m². Using this method, the Biossa Air is spread in very small drops giving a large total surface, which immediately affects the organic matter in the surroundings.

Results: Biossa Air improves the working environment for the employees and removes the odour nuisances from the immediate environment. Thus, Tican can priorities both the working environment and at the same time satisfy the societal concerns. This environmental contribution, which primarily takes place through involving the employees in environmental decisions, is fully rewarded through using Biossa Air. Future studies, registrations and evaluations of the surrounding environment and environmental projects will all be able to document if the slaughterhouse still can live up to the current regulations and official requirements.