



Light and Air

System solutions

Outdoor climate house for fattening pigs with Lubratec® side ventilation systems



Fattening pigs on straw

Innovative pig farming

The growing requirements placed on animal comfort and various economic benefits have led to the adoption of outdoor climate houses as part of standard pig farming practice. Variations in the climatic conditions achieved by dividing the house into different functional areas provide a stimulus for the animals to move. Even under changing outdoor weather conditions, good air quality is generally maintained within the house so as to promote animal comfort.

Better indoor environment guaranteed

These criteria were fully met by the new outdoor climate house with 600 fattening places built on the Bühlmeyer farm. The client - Bühlmeyer - opted for the use of Lubratec side ventilation systems to ensure an unrestricted air flow.



Lubratec "top opening" roll-up ventilation system

One long front of the outdoor climate house was fitted with a Lubratec roll-up ventilation top opening. The selected hanging material was 52.144 wind protection mesh, with 30% open area and 90% wind break. These features represent an optimum trade-off between weather protection, air change rate and air quality inside the house. Moreover, the roll-up ventilation system allows continuous adjustment of the opening size in response to the climatic conditions.





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Lubratec lift window



Lubratec roller blind front



Bay in final fattening area

Supply ventilation on the eastern front is provided via a Lubratec lift window with 16 mm, translucent, UV-stable polycarbonate panels. A controlled fresh air supply is even possible on cold days. The air sinks into the inspection gangway and mixes with the indoor air above the pen cover. The energy savings in winter due to improved thermal insulation are a further bonus.

The Lubratec roller blind front, made from textile mesh fabric, reliably protects the straw and fodder store against any weather conditions while also facilitating access by large vehicles.

Your benefits:

- Fresh air and day light
- Robust, energetic and well-balanced pigs
- Wind and weather protection
- Cost-effective solution compared to heavy constructions
- Energy savings due to better thermal insulation

Project: Outdoor climate house for pig fattening

Location: Rheda-Wiedenbrück

Client: Bühlmeyer farm,
Rheda-Wiedenbrück

Designer: KARI-FARMING GmbH,
Herzebrock-Clarholz

Contractor: KARI-FARMING GmbH,
Herzebrock-Clarholz

Built: October 2018 – January 2019

Products: Lubratec roll-up ventilation with drive tube, Lubratec lift window, Lubratec roller blind front, pen cover lifting mechanism with drive tube

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