

Mitch

CLIMATE CONCEPT

Very strong trio
for an optimal climate

- Highly reliable
- Suitable for 1 - 30 rooms
- Easy to use
- Operation at the room and centrally
- Central overview
- Modular construction
- **FarmRemote**
- Cost-saving



Mitch : reliable and straightforward

Highly reliable | Decentralised control. No single point of failure: any failures are limited to one room. Overviews and changes are visible at the room.

User-friendly | Language-independent system with operating instructions based on icons.

Cost-saving | Substantial savings on installation and cabling costs.

Easy to commission | Up and running within 5 minutes. Standard configurations are available. Automatic assignment of inputs and outputs and graphical, full-colour touch screen. Graphic presentation of installation errors.

Easy to update | Centralised distribution of updates and settings. You can copy settings quickly and easily from one room to another.



Importance of reliable climate control

The climate in the room is one of the most important production factors, especially with regard to animal welfare and health. Through this simple and reliable climate concept, Stienen BE makes an important contribution to improving animal welfare and thus the performance of your animals.

Very strong trio

The KLC-100, KLD-100 and KL-6500 together form the very strong trio that makes up Stienen's **Mitch** climate concept.



KL-6500
Management computer

The KL-6500 is placed in a central location, e.g. your office. Just touch the screen to see the current situation (e.g. via growth curves) in the various rooms and to intervene immediately in the event of any actual or imminent unsafe situations



KLC-100
Animal house computer

One or two KLC-100s are required for your animal house. The KLC-100 measures and controls the central functions in your pig house such as: central air inlet, central exhaust, central heating and NH3. This unit has two integrated differential pressure sensors for the central duct and for a possible air scrubber.



KLD-100
Room computer

The KLD-100 measures and controls the room temperature, ventilation, heating and cooling, based on the day number, number of animals and status. You can also adjust these parameters. This intelligent measuring and control unit is also suitable as a stand-alone unit.

Summary of configurations

Possibilities of the KLD-100 + KLC-100	Device
Ventilation:	KLD-100
- AQC without measuring fan	
- AQC with measuring fan	
- AQC with measuring fan and fan	
Central air inlet control	KLC-100
Room air inlet control	KLD-100
Central heating control	KLC-100
Room heating control	KLD-100
Room floor heating	KLD-100
Room air inlet distribution	KLD-100
Central air inlet heating control	KLC-100
Room cooling	KLD-100
Central exhaust in combination with frequency controllers	KLC-100
NH3 measurement	KLC-100
Differential pressure measurement for central exhaust	KLC-100
Freely configurable differential pressure measurement	KLC-100
Danfoss frequency controllers with energy consumption recording	KLC-100
Possibilities of the KLD-100 (stand alone)	
Ventilation:	
- Room fan	
- Room air inlet flap control	
Room heating control	
Room floor heating	
Room air inlet control	
Room cooling	
Central readout and management (KL-6500)	
Summary of house data with values measured	✓
Data logging in combination with FarmConnect 3	✓
Mobile remote access via KL-6500 + WebSecure and/or FarmConnect*	✓
Max. number of KLD-100s	30
Max. number of KLC-100s	2

*available end of 2020

Service and user comfort

This climate concept lets you save up to thousands of meters of cable and thus a considerable amount of installation costs. The self-learning system has been designed for optimum service and user comfort. Commissioning the system and updating the software, if relevant, is centrally controlled and is very easy to do and manage.



FarmConnect (optional)

The FarmConnect farm software collects all current and historical data of all control computers on your farm, combines this data, and then presents it in clear overviews, graphs and tables. FarmConnect gives you access to your farm data. Wherever you are, you are always connected to your company so that you can intervene immediately if necessary.

Stienen BE, Agri Automation

Stienen BE is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.

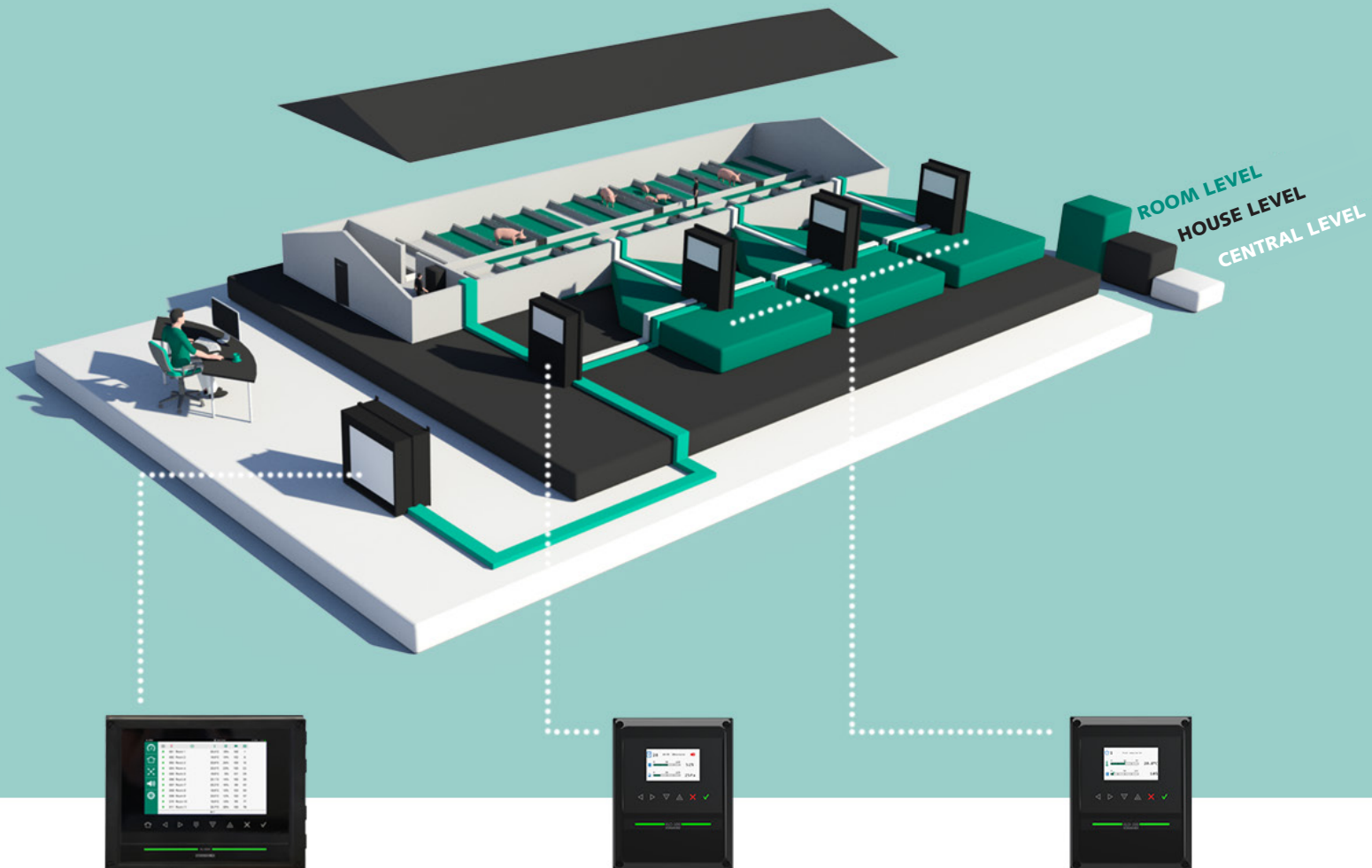
FarmRemote (optional)

The remote control feature of the KL-6500 enables you to read the current data of your animal house remotely using your smartphone, tablet or PC. You can even operate the KL-6500 from the comfort of your armchair. The Stienen WEB-SEC interface guarantees a secure connection.



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Very strong trio for an optimal climate



KL-6500
Management computer

- Central house overview
- Remote control
- Different user levels



KLC-100
Animal house computer

- Central exhaust
- Energy optimization
- Insight into the functioning of the air scrubber
- Pressure measurement channel and air scrubber



KLD-100
Room computer

- Local service
 - * Number of animals
 - * Temperature
 - * Room status
- Overview per room

