

POULTRY HOUSE AUTOMATION for optimum results

Achieving the highest possible result against the lowest possible cost. That is only possible if you can rely on proven technology that ensures optimum conditions in poultry houses day in, day out. Technology that lets you see exactly what is happening and lets you take action immediately, if necessary, wherever you are and at any time. This enables you to work efficiently and manage your employees properly. Ensuring you of the highest possible results for your farm. StienenBE is the right partner to enable you to fully automate your poultry houses.



THE QUALITIES of a family company

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. Stienen BE is 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.

PoultryCalculation our easy calculation tool

We have developed a simple calculation tool that gives you a good idea of what our different poultry solutions would cost. You only need to enter some basic data, such as:

- the number of locations and the number of poultry houses
- type and dimensions of the poultry house
- number of animals and their weight
- some optional aspects such as the feed system, light, FarmConnect and poultry weighing.

The calculation is based on one of the following three concepts:

- **PoultryComfort**
- **PoultryLuxe**
- **PoultryExcellent**

The summary below shows you the main differences between these three concepts.

| | PoultryComfort | PoultryLuxe | PoultryExcellent |
|--------------------------------------|----------------|-------------|------------------|
| Type of management computer | PL-9400 | PL-9400 | PL-9500 |
| Interval ventilation Yes / No | ✓ | N/A | N/A |
| Controlled ventilation | N/A | ✓ | ✓ |
| AQC measuring and control units | N/A | N/A | ✓ |
| Emergency thermostat + ESE-4M | ✓ | ✓ | ✓ |
| UPS back-up power supply | - | - | ✓ |
| Number of traditional inlet groups | 2 | 2 | 4 |
| Number of tunnel inlet groups | 2 | 2 | 2 |
| Number of indoor temperature sensors | 4 | 6 | 6 |
| Indoor RH | ✓ | ✓ | ✓ |
| Outdoor RH | - | ✓ | ✓ |
| CO ₂ sensor | - | ✓ | ✓ |
| Pressure measurement | - | ✓ | ✓ |
| Number of cooling units | 1 | 2 | 2 |
| Number of heating controls | 1 | 2 | 4 |

PERSONAL ADVICE from our climate specialists and partners

Our climate specialists and local partners will be happy to help you find the best solution for your poultry problem. If you would like more information, please contact our Sales Department:

E sales@stienen.com
T +31 (0)495 - 63 29 26



PoultrySolution

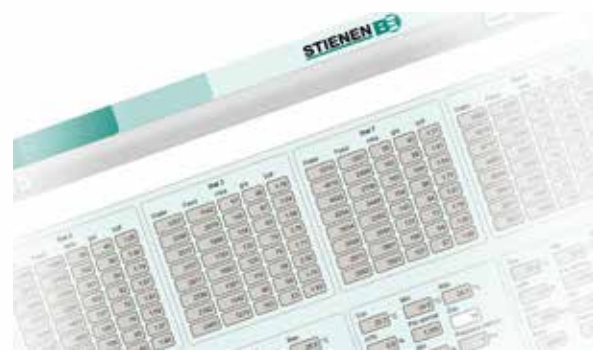
POULTRY HOUSE
AUTOMATION

for modern poultry farming



Poultry house management

The graphic display of parameters such as temperature, water, feed, weight, relative humidity (RH), carbon dioxide (CO2) and ammonia (NH3) shows you the main management information at a glance. This enables you to easily and transparently monitor, control and adjust all the vital processes in the poultry house.



FarmConnect

The FarmConnect farm software enables you to convert data from our management computers into management information. FarmConnect collects all the current and historical data of all the computers on your farm and presents it in clear overviews, graphs and tables. This professional software gives you central access to your farm data. Wherever you are, you are always connected to your company so that you can intervene immediately if necessary.



FarmRemote

The remote control option enables you to safely connect to our management computers by smartphone, tablet or PC. This means that you can safely monitor your farm, even from a long distance, and intervene if necessary.



AeroX, air-to-water heat exchanger

AeroX air-to-water heat exchangers are ideally suited for pre-conditioning air. In areas with suitable soil layers it is possible to make use of the heat storage in the soil. The air-to-water heat exchanger is mounted at the level of the air inlet in the poultry house as close as possible to the animals. The water in the plastic hoses is warmer than the incoming air in winter, causing it to heat up. In the summer this is the other way around.



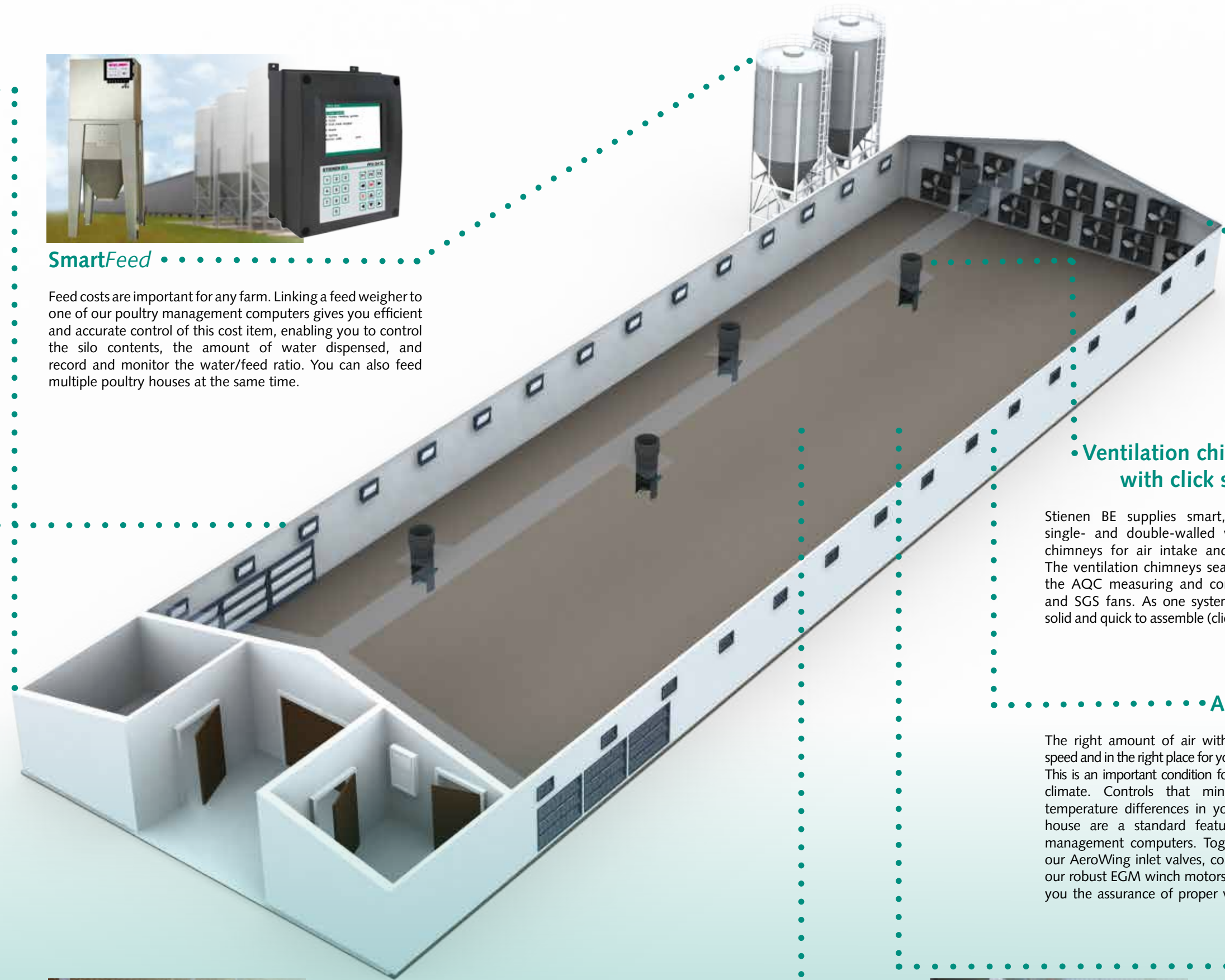
SmartFeed

Feed costs are important for any farm. Linking a feed weigher to one of our poultry management computers gives you efficient and accurate control of this cost item, enabling you to control the silo contents, the amount of water dispensed, and record and monitor the water/feed ratio. You can also feed multiple poultry houses at the same time.



SmartWeigh

Our poultry weighing system enables you to closely monitor how your animals develop. Their weight increase is translated into key figures such as: average weight, growth, standard weight and uniformity. Our poultry management computer shows this data in carefully compiled graphs on an easy-to-understand display. This gives you a transparent view of your animals' health and performance.



Ventilation

A good minimum ventilation level is important in order to reduce humidity, CO2, NH3 and dust in your poultry house. When the management computer has calculated the current climate requirements for your farm, the AQC measuring and control unit will ensure that the (controlled) fans will ventilate the correct amount of air, independently of weather influences and pressure differences.



Ventilation chimneys with click system

Stienen BE supplies smart, compact single- and double-walled ventilation chimneys for air intake and exhaust. The ventilation chimneys seamlessly fit the AQC measuring and control units and SGS fans. As one system they are solid and quick to assemble (click system).



Air inlet

The right amount of air with the right speed and in the right place for your animals. This is an important condition for a healthy climate. Controls that minimise any temperature differences in your poultry house are a standard feature of our management computers. Together with our AeroWing inlet valves, controlled by our robust EGM winch motors, they give you the assurance of proper ventilation.



SmartCollect

It is important that eggs are presented to the egg packing machine with all due care and optimum speed. The egg counting function carefully records the number of eggs laid per tier and row, and gives you a comprehensive view of your egg production. Reversing detection (optional) ensures that any reversed movement of the egg conveyor does not distort the egg count. You control and monitor the entire process. If you see that this process is running smoothly, without any interruptions, you know that your animals are doing well.