

SELFIFEEDER GES

INDIVIDUAL FEEDING SYSTEM FOR SOWS IN GROUP



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digital farm_

BREEDING / AGRICULTURE / INDUSTRY

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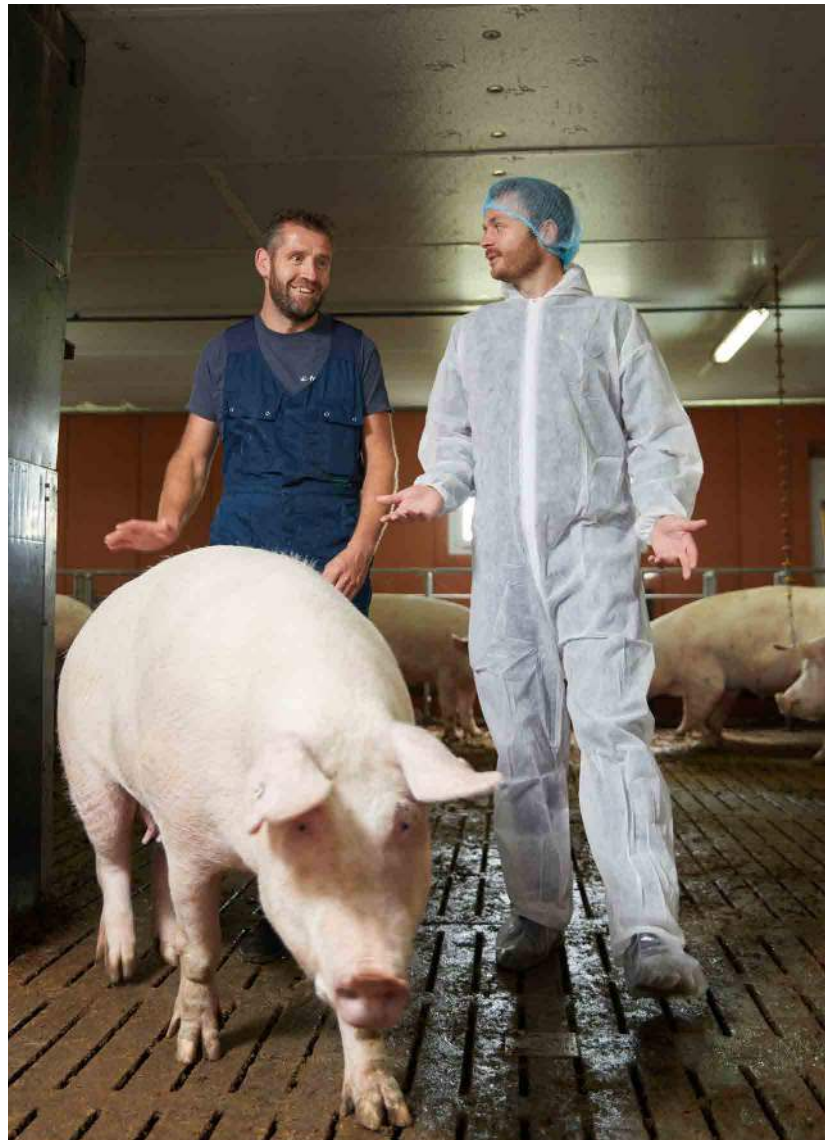
THE INDIVIDUAL FEEDING SYSTEM FOR SOWS GROUP HOUSING SINCE 2009



The connected and individualized group housing feeding station.

Expert into livestock automation and attentive to breeders, Asserva used its Research and Development at the service of the efficiency and working comfort of breeders while ensuring respect for animal welfare.

The Selfifeeder station was born from this trust of breeders and the desire of Asserva's teams to provide them a perfect solution.



UNIQUE SOLUTION FOR FEEDING
SOWS IN GROUP HOUSING
SYSTEM WITH A REAL FEED
CONSUMPTION CONTROL



Made for the breeders

The Asserva team is very close to breeders and our reputation is the fruit of many years of experience. Our permanent links with sector players refine our knowledge of current and future needs while taking into account technical and economic constraints.

Their comments and requests for improvement those of the technical teams, distributors and breeders are integrated into the design and optimization of our products. The Selfifeeder offers the breeder atool with little mechanics and simplified installation. A system optimized for the animal and comfort for the user during its daily use.

For all sows

The animal feeds at its own rhythm and its daily ration is distributed little by little according to its appetite and its feeding plan. The large number of feeders reduces waiting and improves the calm of pregnant sows.



TESTIMONY



SELFIFEEDER GES

Miguel, Full line farmer, Spain

Equipped with a Selffeeder GES system - 2320 sows

«I liked this concept because it avoids dynamic group. Each batch has its own pen. Easy to control and manage. With the Selffeeder, the rotation is fast which avoids waiting and competition between the animals.

Once in the station, a door closes automatically and the animal can feed in complete quietness. For us, it offers great flexibility: it is possible to install additional feed stations without modifying the entire installation and this extension is not expensive.

With the individual pen system, I could only put 1680 sows with the Selffeeder GES I can put 1800 sows or 7% more with the same building area.

We see it every day, the sows are more docile and easier to handle. The calm in the building is very present and this is felt in the results, fewer abortions and more piglets born.

Thanks to its individualized control, the Selffeeder GES has also allowed us to control easily and automatically the restricted feeding plans, to have more homogeneous animals and quiet sows»



THE SELFIFEEDER GES
ALLOWS US TO HAVE MORE
HOMOGENEOUS ANIMALS AND
QUIET SOWS





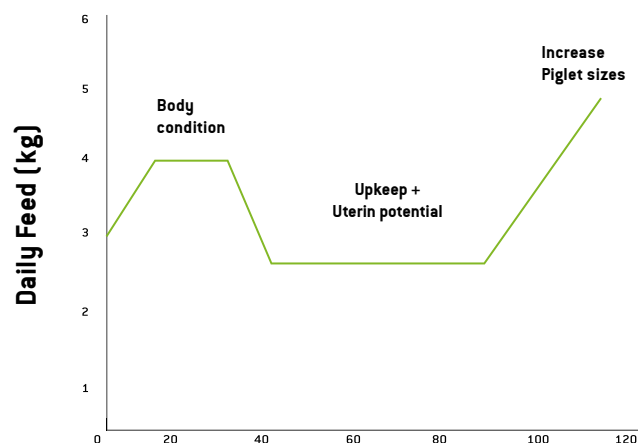
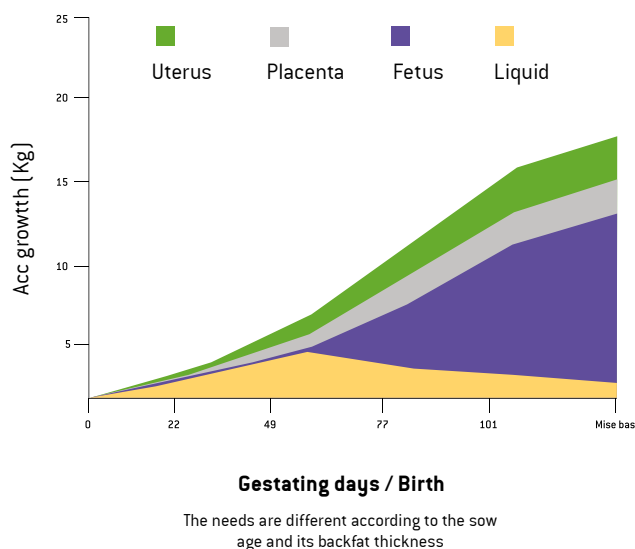
SYSTEM FOLLOWS THE ANIMAL NEEDS



Feeding pregnant sows is part of an objective of optimizing the production potential and longevity of the breeding herd's career.

The Selffeeder GES allows to follow exactly the evolve needs during the gestation.

Nutritional needs according to the evolution of gestation



- Reduce the number of death pigs
- Reduce Interventions during the birth
- Vigorous piglets

Selffeeder solution :

Distribution is personalised for each sow. Each feeding curve can be fully customised to suit the sow's needs.

Body weight / backfat thickness (feed with 3050 Kcal ED/kg)

weight / backfat thickness	12	14	16	18	20	21
180	2.8	2.7	2.6	2.5	2.5	2.4
200	2.9	2.9	2.8	2.7	2.6	2.6
220	3.1	3.0	2.9	2.8	2.7	2.7
240	3.2	3.1	3.0	3.0	2.9	2.8
260	3.3	3.3	3.2	3.1	3.0	3.0
280	3.5	3.4	3.3	3.2	3.1	3.1

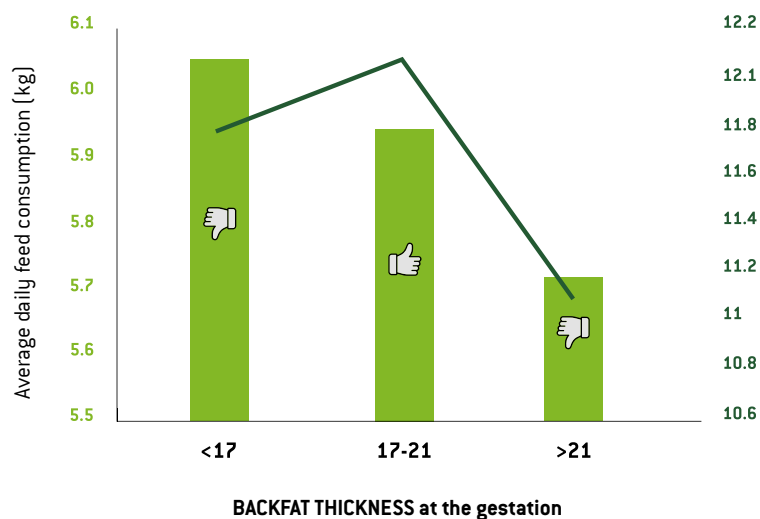


SYSTEM FOLLOWS THE ANIMAL NEEDS

The sow longevity is impacted by the body conditions during the first litters

The sows with < 14mm backfat thickness (1st litter):
28% reach 4th litter.

The sows with >20mm Backfat thickness (1st litter):
46% reach 4th litter.



- ⚡ Increase the number of piglets in life.
- ⚡ Increase the feed consumption during lactation.

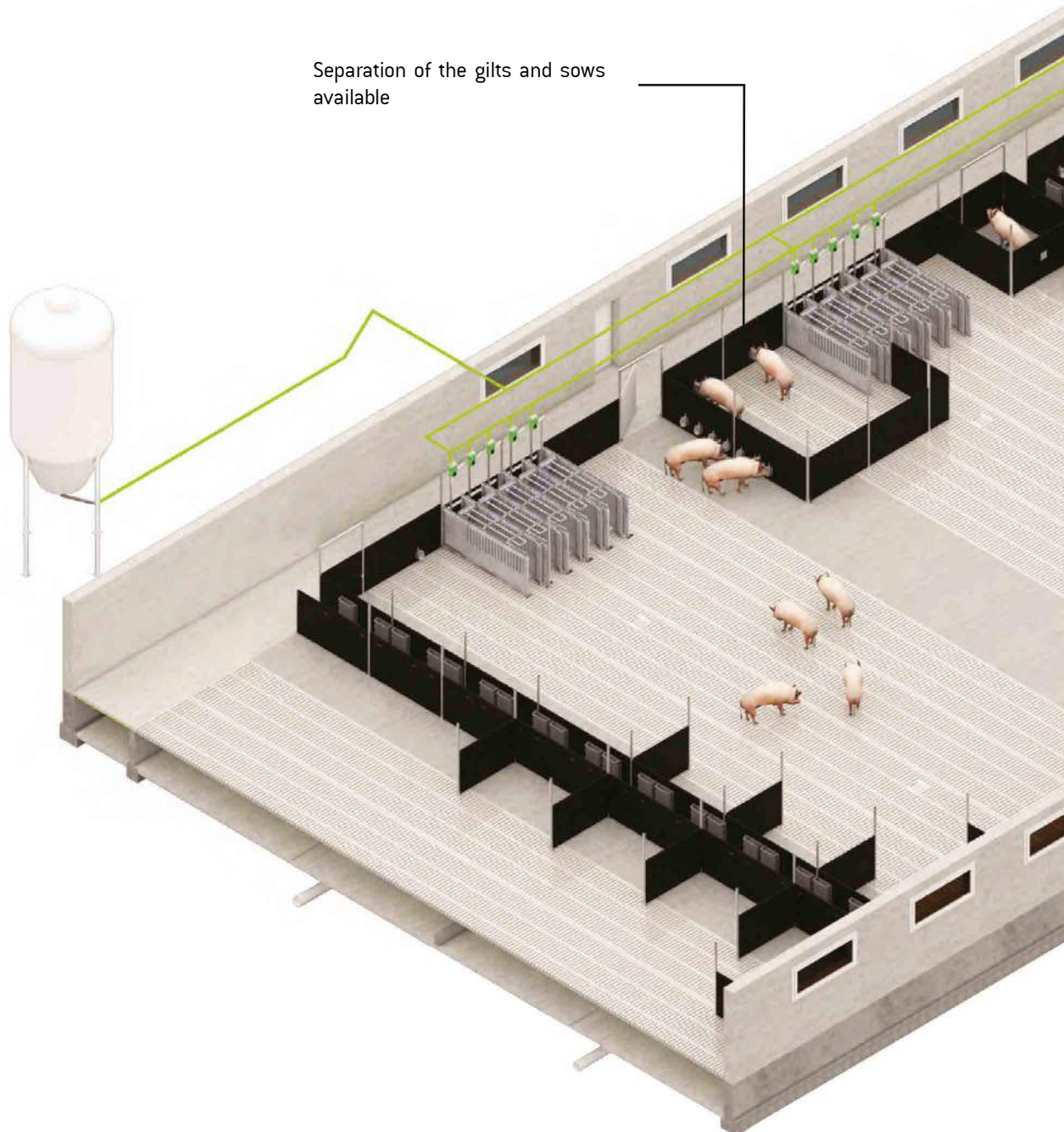
BACKFAT THICKNESS IMPACT :

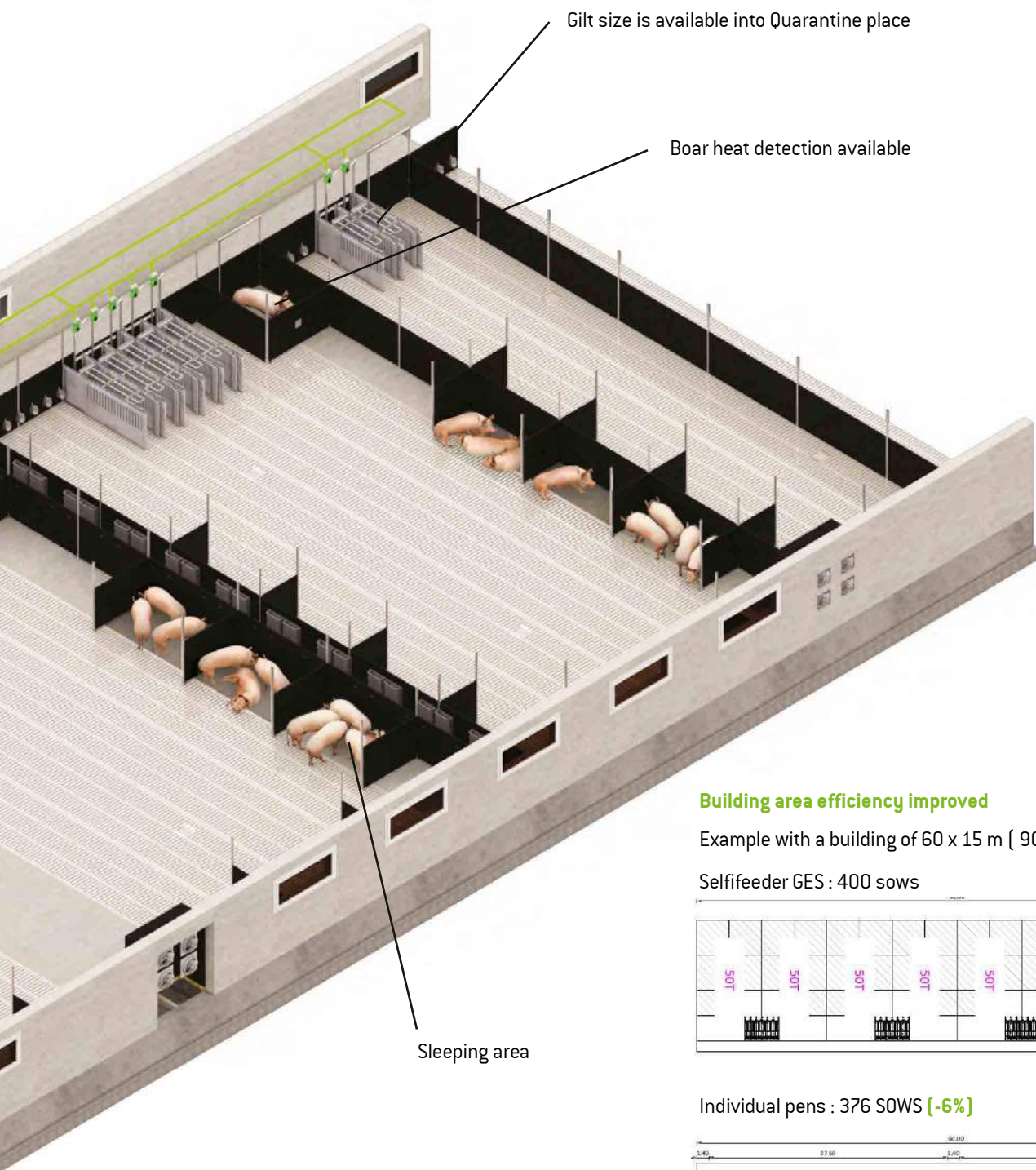
Number of piglets during 5 litters
18-22 mm compared to 14-16mm

+7.2 piglets per litter.

ASSERVA SOW GROUP HOUSING SYSTEM ADAPTED

- To many size of group
- To each sow
- To the farm management

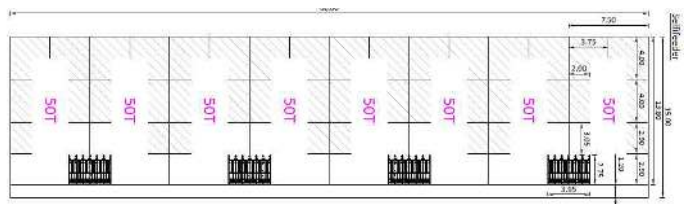




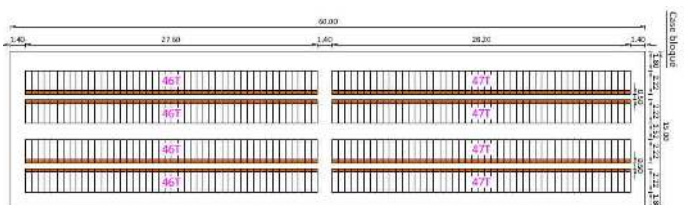
Building area efficiency improved

Example with a building of 60 x 15 m (900m²)

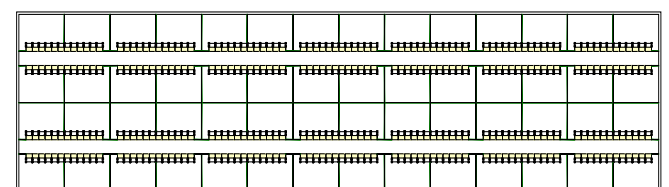
Selffeeder GES : 400 sows



Individual pens : 376 SOWS (-6%)



Small group pens * : 336 SOWS (-16%)



* Sow area calculated according to the European rules

ASSERVA CONNECTED



CONNEXION NETWORK

The Asserva system works independently to the Internet connexion availability

The software is directly integrated into the farm computer. A network between the Asserva systems allows the software to operate without the need an internet connection. However, an internet connection offers the possibility of saving your data on the Asserva encrypted clouds, while also allowing remote management of the farm's system.



REMOTELY CONTROL

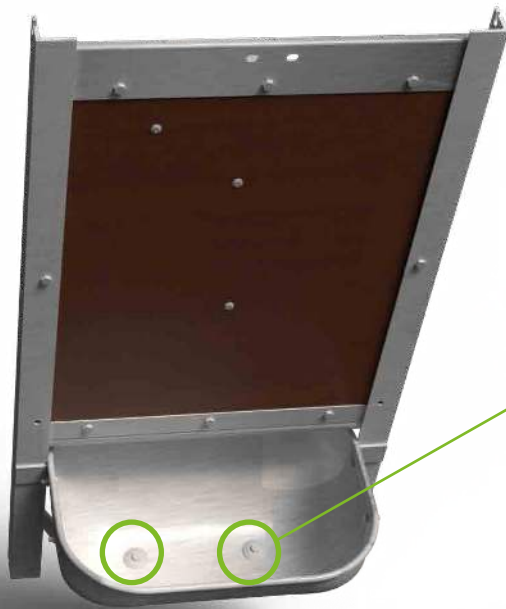
The entire Selfifeeder device can be connected, to smartphones and tablets. Monitoring of the breeding is ensured even remotely. The pregnant sow's data directly transferred to the farrowing part. The station also has a connection to the FBA Asserva (Feed base analytic) to resume the entirely sow life.



THE KEY ELEMENT OF SUCCESS

Unique system to distribute and control the real feed intake

Unlike existing systems on the market that only control what is distributed, the SELFIFEEDER GES also allows you to control what is actually consumed. That is a big difference

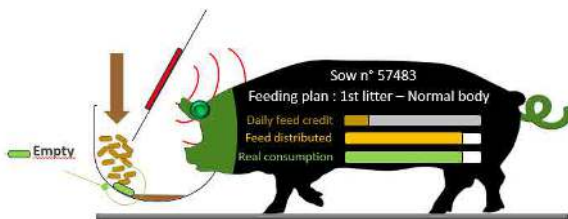


Precision feeding

With trough level sensor



1st case: The sow eats faster than expected



Follow sow rhythm

Quiet & peaceful sow

Efficient turn over for next sow

Other stations with distribution timer

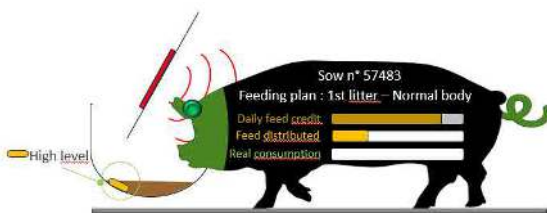


Timer rhythm never follow the sow rhythm

Increase the sow stress

Reducing the function of the station

2nd case : The sow doesn't eat correctly



Good data information

Restricted feeding plan controlled

Perfect body sows



Wrong data information

Restricted feeding plan failed

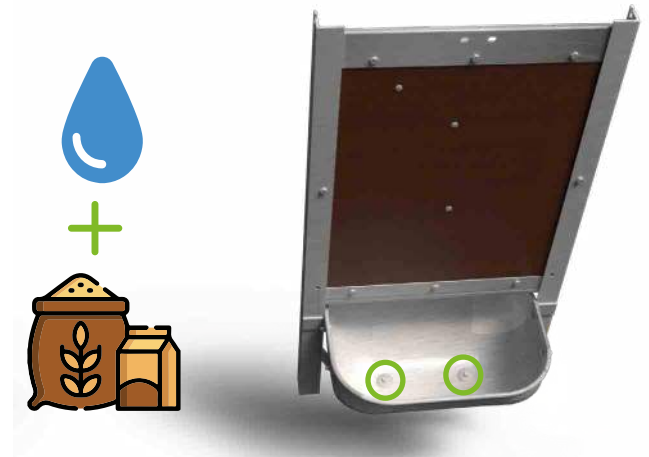
Body condition trouble

THE KEY ELEMENT OF SUCCESS

Unique system to distribute and control the real feed intake

Instant wet feed distribution

Based on R&D research, the SELFIFEEDER GES distributes in same time the feed and water to trough. The water addition creates an instant soup. The water dilution can be setted according to the needs.



FOR THE ANIMAL

The « Instant soup » distributed permits to

- Ease of Feed consumption
- Push the sow to drink
- Give 50-60% of the daily water needed
- Increase the Stomac capacity for lactation period
- Sow more satisfied and calmer



FOR THE FARMER

The water and feed are automaticly distributed.



SELFIFEEDER GES PREMIUM



Equipped with the SELFIFEEDER GES Trough system, the SELFIFEEDER GES PREMIUM provides a complete and optimum solution for the sow and gilt group housing with all options available.



Automatic doors
Improving the efficiency



Feed distribution according to the
real feed consumption with Trough
Inspection Technology



20 automatic feeding plans
available



Wet feed distribution
During the meal



Selfifeeder APP
Available



Selfifeeder Software
for PC



① Selfifeeder GES
Queriber - Espagne

② Selfifeeder GES
Beauparc Farm - Quebec



③ Selfifeeder GES
Le Clos Quartier - France

AUTOMATIC DOORS IMPROVING THE EFFICIENCY

The automatic doors access permits to delete completely the training needed for the new sow.

- Faster sow rotation than any other system.
- More sows per station +25% than with the self-locking system
- More efficient use of the station +/- 6 hours per day
- Less stress for the animals = Better results
- Station available 24/7
- Solidity and experience
- No sows blocking or lying in the station

Completely closed station: no sow from outside will bother the sow inside



FOR THE ANIMAL

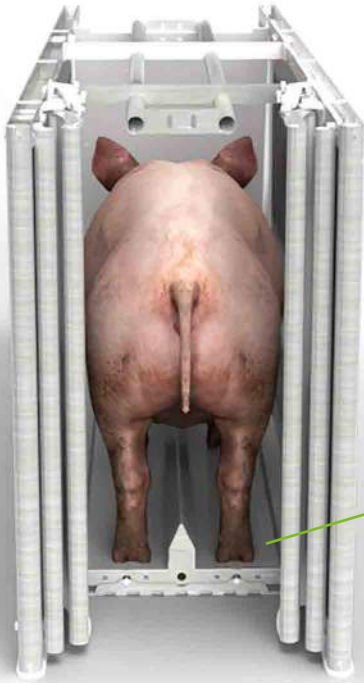
Easy to understand quiet place for the animal during the meal



FOR THE FARMER

No training needed for the animals
No Time needed

NEW OPTIONS AVAILABLE SELFIFEEDER GES PREMIUM



Weighing system

Daily control of your sow body weight
Can be installed in current station



TRACKING WEIGHT GRAPHS

The daily control of the body weight of the animal is now possible with the SELFIFEEDER GES PREMIUM

The system can be installed in Quarantine with gilt size and in sow part.

With the individual graphics, the farmer controls the body conditions of each animal according to the genetic standard requests.

Special size design for the gilt development

Good weight in good age : from 100kg to 180kg

OTHER OPTIONS AVAILABLE

MOTOR FEED DISPENSER

The automatic dispenser exists now with auger motor. Specially design for the MATERNEO users who use Maternéo with auger motor.



PAINT MARKER

Connected to the software, the farmer can decide to mark specific sows into the pens automatically.

VITADOSE

The "Vitadose" dispenser is equipped with a reserve and distribue a dry supplement (Mineral, Vitamins, etc.) for specific sows. The "Vitadose" dispenser is movable in order to supplement at a lower cost. It can dose 20 g.



2ND FEEDER

2 kinds of feed available. With 1 second dispenser, inside the same pen, the sows can be fed with 2 different feeds

SELFIFEEDER GES ESSENTIAL



Equipped with the SELFIFEEDER GES Trough system, the SELFIFEEDER GES ESSENTIAL provides a efficient solution for the sow group housing on the simplest way without air pressure system needed.

The free access pendulum door permits to reduce the installation and avoid the air pressure needed into the system.



The self-locking system enables individual, low-cost feeding of sows in groups.



Feed / water distribution according the sow's rythm. Always fresh feed & reducing the stress



Adjust the feeding plan according to the needs of each sow



The « Instant soup » distributed permits to Ease of Feed consumption



Selfifeeder APP Available



Selfifeeder Software for PC

SELFIFEEDER GES ESSENTIAL





COMPARAISON SELFIFEEDER GES



SELFIFEEDER GES
Premium



SELFIFEEDER GES
Essential

Ear tag reader



Trough level sensor



Door access



Automatic



Mechanical

Feed dispenser



Motor / air ram



Motor



COMPARAISON SELFIFEEDER GES



OPTIONS AVAILABLE

SELFIFEEDER GES
Premium

SELFIFEEDER GES
Essential

2nd feed



Additive VITADOSE



Heat detection



Paint marker



Body Weight control

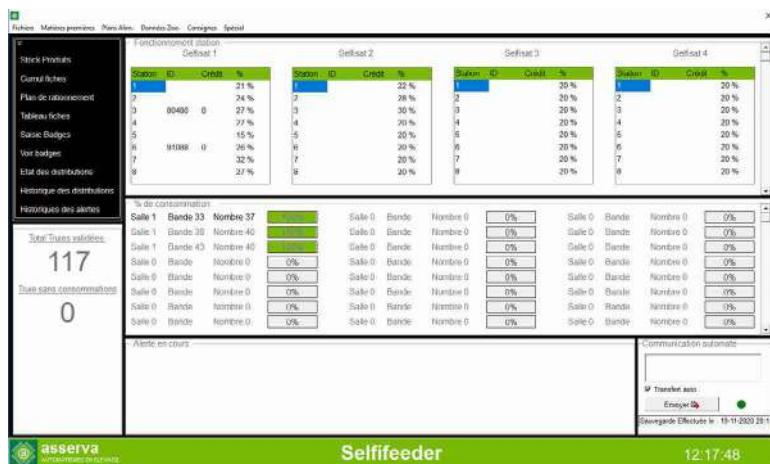




SELFIFEEDER GES SOFTWARE

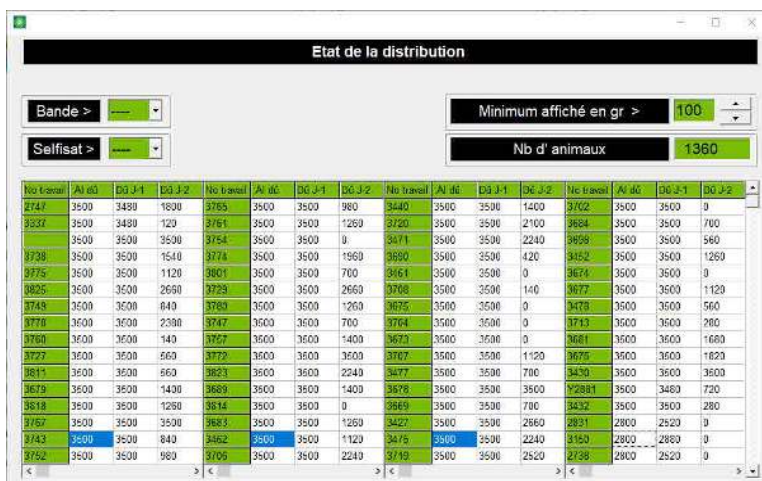
The control boxes centralizes all data, consumption history and visit times on the central PC and communicates all information concerning each sow. The dialogue is fast, pleasant and complete. It can be equipped with a smartphone or a tablet allowing data to be modified instantly in any place on the farm. Daily:

- Creation and saving of each sow's consumption
- Addition and transfer to farm management software
- Use of FBA (feeding base analytic)



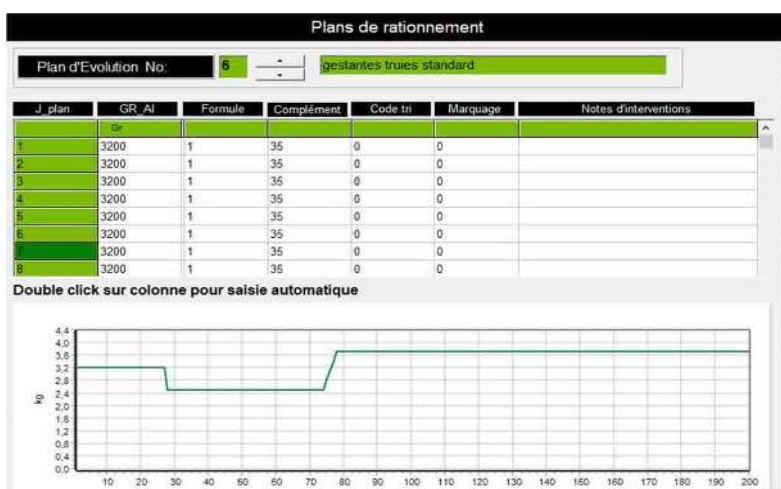
REAL-TIME MONITORING OF STATIONS AND CONSUMPTION

- Percentage of use of each station
- The animal's remaining feed credit in grams
- Overall feed consumption rate over the entire band
- Consumption alert or potential alert displayed
- Display of product stocks



FAST REAL-TIME INDIVIDUAL FEEDING CONTROL

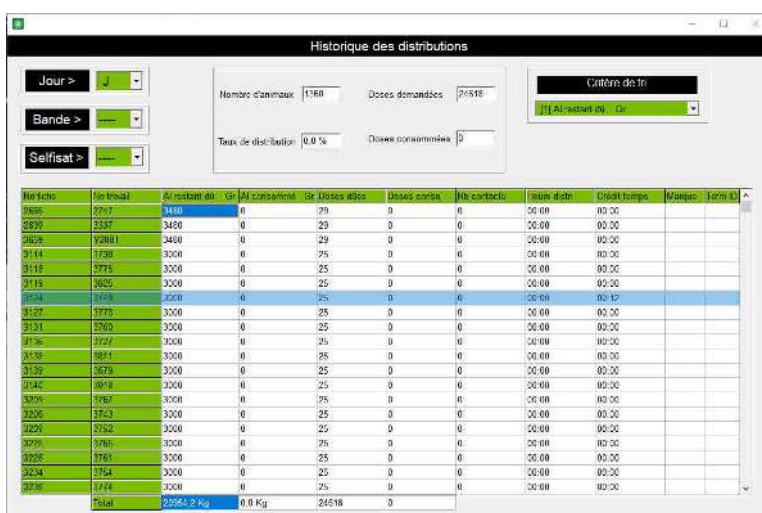
Quick view of consumption over the last three days.



EASY ACCESS TO INDIVIDUAL FEEDING PLANS

This window allows you to create feeding plans (up to 20 different plans are available) with a quantity and type of feed allocated per sow and per day. This table also allows you to configure supplements (Vitadose Option) as well as marking on the animals (Marking Option).

Intervention notes can be recorded depending on the day of the feeding plan (vaccination, etc.).

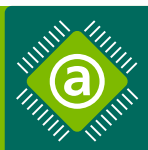


INDIVIDUAL FEED CONSUMPTION CONTROL

The distribution history allows to control the daily individual consumptions, according to different sorting criteria.

The history shows the quantity remaining to be consumed, the feed already consumed by the animal, the doses of feed remaining to be consumed and already consumed.

Possible highlighting of sows by coloring the line. The time of visit and the occupation time of the station per animal. The number of contacts with the boar if the farm is equipped with a return to heat detection system, the distribution time.



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