



Prüllage Systeme

That makes sense!

Maintenance of stall technology pays dividends

The subject of maintenance is quite normal for us if it's our own car or heating system. We have them checked out at regular intervals so that everything runs smoothly again and we're not in for any unpleasant surprises. A small wear part is far cheaper than a new vehicle or completely new heating system. So far, so good.

Unfortunately, in the world of agriculture, this idea has not yet taken off on a wide scale. But the same logic applies to today's animal stall technology: regular maintenance pays for itself! After all, modern animal housing today involves complex control systems. With the increased use of automation and digitisation in animal housing, a lot has changed compared to the old days. Things are more complicated, more expensive, but also much more efficient.

Just as with your car, an ultra-modern feeding or climate-control system can show signs of wear, material deposits or

unwanted setting changes after long hours of operation. Even minor material deposits in a heater or on fans can cause noticeable energy losses or wear. Against this backdrop, professional maintenance of systems like these in animal stalls makes complete sense. It not only increases their durability, but also benefits the animals and extends the service life of all stall technology. However, the most important aspect is that such inspections can prevent unexpected breakdowns and, as you know, these always occur at the wrong time.

Our experts are specialised in detecting the signs of operational wear and functional limitations in your systems ahead of time and making repairs at a manageable cost. This means that you can guarantee more safety in the housing while avoiding high repair and consumption costs. That by itself lowers your operating costs. Conclusion: Maintenance of stall technology pays off!

FOREWORD



Dear readers,

In the middle of March, our trade fair team was in Thailand, or more precisely Bangkok, for the first time to present our tried and true and new systems to the interested public at VIV ASIA. More than 1,250 international exhibitors, including quite a few market leaders, made this trade fair one of the largest and most exciting in all of Asia. And I have no hesitation in saying: there was enormous interest in Prüllage products. We're very pleased because this experience means we can look forward to strong and lasting business relationships.

Our fair staff was on duty from dawn to dusk. They had discussions, made contacts and gained a few insights into the Asian mindset. There's a Thai proverb that corresponds to "the early bird gets the worm" in our culture. It goes: "Row, row fast before the market is over and the lotus blossoms wilt". The intense level of interest from fair visitors had a bit of that in it because they were certainly quick to get to the heart of the matter. It also means that German quality is still in demand around the world. All I can say about that is, no matter which trade fair we attend, whether in Münster, Augsburg, Hannover, Kiev, Bangkok, Algeria or wherever, we at Prüllage go all out to make our customers happy with our well-thought-out systems.

Best regards from Ludger Prüllage

Did you know ...

... that DIN-VDS 3449 (Factory farming – Alarms in animal housing), under point 3.4 "Inspection/Maintenance", indicates that in addition to the recommended test calls, a daily visual inspection and weekly alarm test (checking for alarm readiness) must be carried out? Don't forget to check the battery charge level as well! A comprehensive inspection of the entire facility should also be carried out by a specialist company once a year. It is recommended to take out a maintenance contract for this.



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Now with convenient stainless steel trough

Blu'Hox automatic feeder for pigs

ROXELL has introduced a worthwhile upgrade to its older Blu'Hox automatic feeder. The new design is now made of top-quality stainless steel instead of the previous polymer concrete. As well as the stainless material, the fact that the trough does not rest entirely on the ground means that it is much easier to clean the feeder and the area underneath it. The new design also allows the pigs to get closer to the trough, so their food intake is better and they grow quicker.

Thanks to their natural instinct for scrabbling around, recently weaned piglets learn quite quickly how to fill the pan with food. This is helped by a handy combination of a slowly turning rotor and an asymmetrical funnel. Because water is accessible in addition to the feed, each piglet can determine its own feed/water mix using the easily reachable drink nipples. The round shape promotes good social behaviour and less stress. And because there are no corners, no feed can accumulate and go mouldy there.



The Blu'Hox automatic feeder comes in various models: for piglets from 5 to 30 kg (Blu'Hox 30 and Blu'Hox 30 Plus), fattening pigs from 20 to 120 kg (Blu'Hox 120 Plus) and for fattening pigs up to 145 kg (Blu'Hox 145 and Blu'Hox 145 Plus). Then there is the completely new model W2F. This universal automatic feeder can be used by piglets (from 5 kg), fattening and fattened pigs. The great thing is that all these systems can be installed in bays or integrated into the bay walls.

New TITAN turkey feeder from ROXELL

First test version completed

We presented the new ROXELL TITAN XL turkey feeder in the previous newsletter. The first test version has now been set up in the Menslage/Artland division (Osnabrück district). The reaction of customers to this innovative design has been more than positive. And it's true, the TITAN has a whole series of advantages in its favour.

Thanks to its extra-high openings, the comfortable feeder provides grown animals with more room to eat. This reduces

stress, optimises feed intake and so promotes growth. There is also less feed loss, and the feeder is extremely easy to clean. That means optimal housing hygiene.

The ability to connect the feeder to a central feed level regulation system was also well received. This not only reduces the amount of work, but also allows the current feed level to be read and adjusted at any time. Conclusion: Test passed!



Outdoor pig pens developed by Prüllage

New system in Klockenhagen

The tranquil location of Klockenhagen is in the district of Vorpommern-Rügen. That's where we've built four piglet breeding pens (each 50 m) and a gilt breeding pen (30 m). These new facilities feature 4.40-m-wide outdoor areas and piglet pens interspersed inside the structure. These can be opened and closed by an ingenious lifting system of winches and pulleys. Opening them provides ventilation and allows the animals to be monitored.



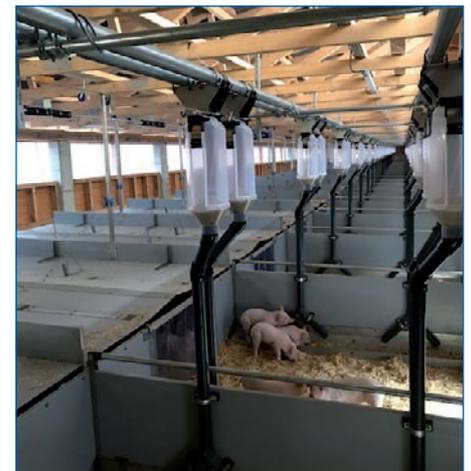
Each pen has its own areas for feeding and exercise. Additional underfloor heating was also installed for cold winter days, so the animals are well cared for while housed. There is a barrier to keep the straw in the pen. The excrement area is located in the yard. This makes for clear separations between the different usage areas.

The exercise area between the piglet pens and the yard is used as a feeding area. Dry feed troughs are located there and are supplied from a volumetric feeder. That way, the feed can be adapted and mixed to suit the growth rate of the animals. The feed is stored in four outside silos and is transported to the animals on a two-phase tube chain conveyor.

Vehicles can drive on the concrete yard area. A slurry channel with concrete grates and a slide gate for manure removal were installed there. The yard is subdivided by mesh and hinged gates. These are opened to transport away the manure in front of the yard entrances. Unlike with



the solid walls in the pens, mesh allows the piglets to have contact with adjacent groups. The resulting territorial behaviour means that the young animals defecate and urinate in the yard. This is also encouraged by having drinking troughs in the yard.

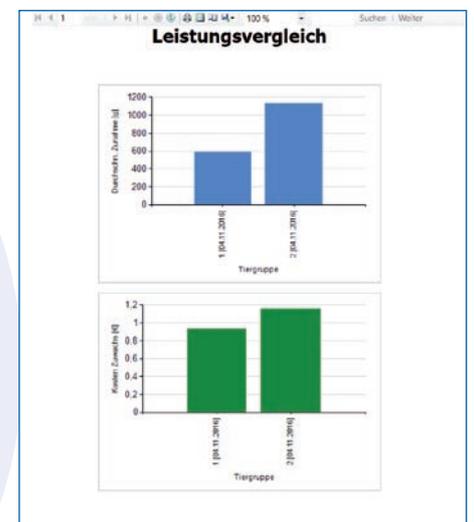


GainCostCalc

New app

The new GainCostCalc app allows you to display the performance details of your housed animals on a smartphone, tablet or monitor. These details include average figures for weight increases and their costs per kilogram, as well as the actual feed utilisation of a group of animals. This app can also compare all animal groups. A detailed report can then be exported or printed out in your desired format. To do so, first tap on the desired animal group and then just click on "Analysis".

Anlagenauswahl:	Demo: Ferkel-/Maststall Holdorf
1 [04.11.2016]	Zunahme 590,00 g Kosten Zuwachs 0,93 € Futterverwertung 4,32 :1
1 [21.02.2017]	Zunahme 670,00 g Kosten Zuwachs 0,10 € Futterverwertung 1,54 :1
2 [04.11.2016]	Zunahme 1130,00 g Kosten Zuwachs 1,16 € Futterverwertung 2,12 :1
3 [08.02.2017]	Zunahme 700,00 g Kosten Zuwachs 1,47 € Futterverwertung 2,22 :1





LATEST NEWS

Prüllage Systeme

Trade fair review

We've already been very active at trade fairs in the first quarter of 2019. Our employees have had numerous conversations with existing and potential customers at four top-class shows. Here is a brief summary.

We started in Münster, where we attended "Agrar Unternehmertagen" (Agricultural Industry Days) from 5 to 8 February. This is a regional trade show that is held every two years. It is the ideal meeting place for the regional agricultural sector and at the same time a vital trend barometer. Some 370 exhibitors presented their products and services over an area



Hans van Gasteren and Björn Prüllage at VIV ASIA in Bangkok



of 20,000 square metres. A total of 32,000 trade visitors came to find out more first hand. It's always a good opportunity for us to talk to local farmers.

In fact, we were represented at two fairs in the same month – from 19 to 21 February. One was the "Regio Agrar Bayern" in Augsburg, the Bavarian equivalent of the Münster "Agrar Unternehmertagen". There, we were able to interact directly with our customers from Southern Germany.

The other was again the "Agro Animal Show" in Kiev/Ukraine. It was our third fair appearance. The "Agro Animal Show" is an international trade fair for livestock and poultry farming. The focus is on agricultural equipment, drinking troughs, feed, animal health and much more. The Ukraine is a very interesting market for us. Together with



Ludger Prüllage at the Agro Animal Show in Kiev

our local partner, we signed numerous new contracts during the fair.

We were then at "VIV ASIA" in Bangkok, Thailand from 13 to 15 March. It was our first fair in Asia. We were surprised and extremely pleased, especially, with the many new and interesting contacts we made. It's looking increasingly likely that we'll also be handling orders from Asia in the near future.

Sponsored by the EU

Smart Farming

Smart Farming – also known as digital farming, e-farming or, as we say in Germany, "Agriculture 4.0" – is the increasing use of modern information and communications technologies in agriculture. The aim is to automate various workflows, to promote more efficient work and, above all, to reduce the amount of manual input. This includes the use of robots and networked devices and vehicles, as well

as controlling procedures via mobile phone or tablet.

We at Prüllage Systeme GmbH are also becoming involved in this field, especially the digitisation of automatic equipment in poultry sheds and pig pens. As pioneers of Agriculture 4.0, we are developing a cloud platform with connectivity for all manufacturers. We are



EUROPÄISCHE UNION
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very proud to announce that the project is sponsored by the European Regional Development Fund.

You can write to Prüllage Systeme GmbH at any time to ask the company not to send you any more promotional mails. Please address your request to Prüllage Systeme GmbH, Gewerbering 6, 49451 Holdorf, Germany.