

## **Grufal Suin SRL in Viisoara—Teleorman County in Romania chose Agrimex ApS as supplier for a project for 200 sows and 1500 finishers capacity.**

To plan and carry out an investment in Romania and in the same process benefit from the grants offered by the Pre-accession programme Sapard was a long process. Many months passed from the first meetings were held concerning the possible supply of the project—and until Agrimex finally ended up to be the chosen contractor. Also the process included a public tender where more potential suppliers were invited to give in their proposal.

Agrimex are happy to say that the best and most performant offer was given by us—and made the choice easy for the owner of the project.

The final delivery and also the specifications were all the way through approved by the inspectors from the Sapard program.



Picture: A 66 x 18.3 Meter steel building in 6 sections with a fat-tener capacity of 6 x 250 pigs—or more than 4,000 pigs / year.

## *Investments in Romanian agriculture can until 2013 benefit from EU-investment support*

### *Agrimex has the experience in EU-granted projects.*



Picture: Small outdoor bins makes a balance between the wish of automatic feeding—and the need for fresh feed for sows, piglets and weaners

In 2005 Mr Gruya and Mr Falca did their first approach to initiate their idea of setting up a modern pig production facility in Viisoara in Teleorman County in Romania. Agrimex was invited to some of the first talks regarding the choices of equipment and technology during the summer.

From this point on we started to have regular consultations about the project.

In the company—“Grufal Suin SRL” it was a busy period with the preparations to satisfy the Sapard organisation and to obtain all the necessary approvals.

In the summer 2007 we could sign the contract and in the autumn we started the deliveries regarding the actual project.

Patience is a virtue for investors in Romania!

In the process where deliveries were made to the project and erection of buildings started it was a separate task to maintain the information and documentation flow to the Sapard agency as well as to support the buyer of the project with the necessary technical details to satisfy the construction and environmental authorities.

Agrimex are represented in Bucharest by Ms Dana Boros who is the local project manager, and who is always an efficient in solving any question that comes up. She and her team as well as her network is an invaluable task force in relation to any project of ours.

The investment—Grufal Suin SRL— in Viisoara has the following characteristics:

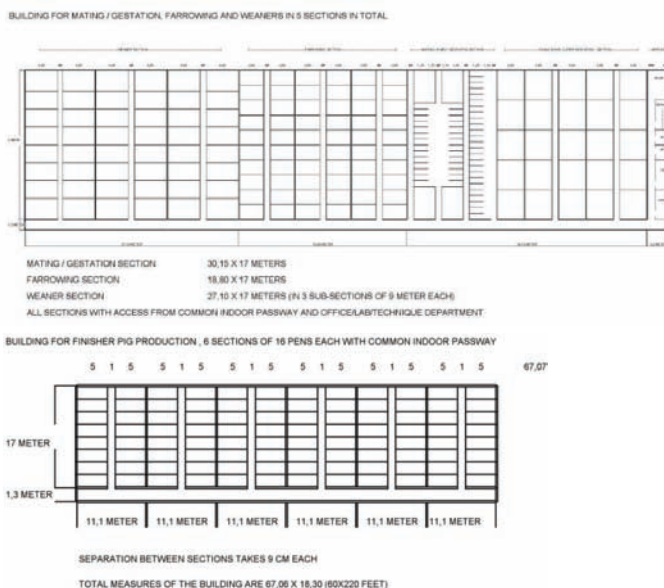
- 2 All-steel Houses of 2,660 M2 in total
- Sectionized buildings with internal connection corridor
- Efficient climate control by neutral pressure ventilation with air nozzles to
- Automatic wood pellet burner for heat supply
- Evaporative air cooling system for efficient cooling
- Feeding and penning system from Egebjerg A/S



Picture: Efficient wall structure where the lowest part of the wall is planked with PVC boards inside and lowest an insulation with polystyrene and further up—fibre glass. Further up the inside wall is in steel

*To choose the right equipment with specifications which would satisfy the customer is a process where the customer has the last word!*

*Agrimex is focused on the right mix and honest advice!*



The 200 sow unit building is arranged with 1 section for pregnant sows, gilts and boars.

Another section for farrowing sows

3 sections for weaners with each 16 pens

The Finisher unit is arranged with 6 equal size sections, each of them having 16 pens at 2,17 x 5 Meters.

Each section is 11 x 17 Meters.

In both houses an indoor corridor gives access to each section.

Service rooms are placed next to the pregnant sows

Picture: 2 buildings whereof the upper is for 200 sows and weaners, and the lower is for 1500 finishers

The below pictures show how we chose to put the technical solutions together, to optimize the investment to climate and other local conditions



Soffit Eave is giving good ventilation to the ceiling above the insulation material



All steel construction, - trusses, purlins, columns and sheets.



A 200 mm layer of  $\lambda 37$  insulation material.



Roof colour is a specific wish from Mr Gruya. 2 Bins for the finishers makes it possible to supply 2 different recipes



An insulated door gives access from indoor ground floor to the ceiling for service purpose



A connection corridor gives access from the sow unit to the finisher unit



All indoor walls have "Easy to clean and resistant" PVC boards at the lower 1 meter



In gilt pens there is a feed outlet for each animal even if fed in the group. That gives less fights over the feed.



Boxed sows are fed individually and boxes are made of galvanized steel pipes



Farrowing pens have partial slatted floor and creep box for the piglets.



The 3 weaner sections has each 16 pens (2,17 x 4 Meter). Feeding with Tube-O-Mat®



The weaner pens have a “cover” over the resting area, to create a double climate principle in the pens.



The finisher pens have partial slatted floors (50%) and the pigs are fed by Tube-O-Mat®



The Tube-O-Mat is a registered trade mark of Egebjerg A/S in Denmark



2 bins for finisher and double feed line makes it possible to feed with 2 recipes from pen to pen.



The spray system makes it possible to reduce the temperature by 7 to 9°C



The specially designed ventilation inlet nozzle creates a state of the art ventilation. The nozzle is a registered design of DACS A/S in Denmark.



The exhaust chimney of the ventilation is simpler—but efficient in creating the neutral pressure inside the houses. Also this is a registered design of DACS A/S in Denmark.

With the above mentioned technical solutions the 200 sow unit is a step in the direction to be competitive with the rest of Europe.

Anyway—to implement the technology into daily results is another thing—which takes a readiness to work with an understanding of how the technology can support an efficiency level of up to 28 piglets / sow / year.