

# TECHNOLOGIES FOR PIGS



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The requirements for pig farms and creating optimal conditions have fundamentally changed in the past couple of years. Without new technologies and modern approaches you cannot guarantee the high efficiency of farms. Modern farm pigs breeding is a complex of top technologies.

In order to function as a balanced unit, it is necessary to have not only the appropriate technology, but the experience and a team of top class specialists - architects, builders, livestock specialists, electrical engineers and others.

BAUER TECHNICS meets the above requirements and thanks to this has successfully implemented a number of projects such as reconstruction of farms and stables, as well as the construction of new „greenfield site“ farms not only in the Czech Republic but also abroad. The high level and efficiency of a farm is very often decided by solutions of the smallest details. The professional approach of BAUER TECHNICS always guarantees the satisfaction of our clients.

## **BAUER TECHNICS OFFERS A COMPLETE RANGE OF TECHNOLOGIES, CONSTRUCTIONS, BUILDING COMPONENTS AND SERVICES:**

- ▶ Feeds storage – silos, weighing systems of silos
- ▶ Feeding systems and lines, feeders (liquid and dry feed)
- ▶ Electronic feeding stations for sows, and for the fattening of pigs
- ▶ Penning systems (boxes)
- ▶ Ventilation and monitoring systems
- ▶ Ventilation control systems
- ▶ Heating and microclimate cooling systems
- ▶ Slurry systems including application, processing and composting
- ▶ Constructions of stables
- ▶ Surveillance systems
- ▶ Laboratories
- ▶ Wet corn storages
- ▶ Incinerators, crematories
- ▶ Feed mills



# THE CONCEPTION OF PIG FARMS AND STABLES FOR PIG BREEDING

The design of functional and effective pig farm requires significant experience and a team of experts in various fields. Together with the customer we can select the optimal technological solution that creates the basic criteria for volume solutions of farms and partial stables.

## HOW WILL THE FARM OR INDIVIDUAL STABLES LOOK LIKE DEPENDS ON:

- ▶ Landscape conditions - farm placement (hygienic zone, nature conservation, distance from residential areas)
- ▶ Animal Husbandry - hygienic farm solutions
- ▶ Farm zoning, road and driveway solutions
- ▶ Using herd turnover systems
- ▶ Stabling method of individual pig categories
- ▶ Ventilation systems, heating and cooling systems
- ▶ Feeding systems
- ▶ Solutions for slurry storing and application

On technological design is applied to suitable engineering constructions and external cladding, corresponding to climatic conditions, number of animals and other important criteria.

## UNIQUE SYSTEM OF MANAGEMENT CONTROL OF MICROCLIMATE

Completely unique is a system of management and control of microclimate, including new ventilation systems that guarantee good environmental conditions and excellent animal health. Control of the ventilation system is by the **"DATA LOGGER"** measuring the actual state (T, RH, NH<sub>3</sub> and CO<sub>2</sub>) allowing farmers to optimize their ventilation control level settings.

All the offered and supplied technological elements comply with the laws on **animal welfare** both in the Czech Republic and the EU.



# BAUER TECHNICS

BAUER TECHNICS was established in 1992, initially as a sales and service group for Bauer GmbH Voitsberg. Over the years, the company focused primarily on the realisation of turn-key farm projects and has become the leader in this field on the world market. For successful development of the company we use the latest technologies in this field and we have a team of experienced and professional experts in various fields of the industry that are required for successful realisation of projects. BAUER TECHNICS is mainly focused on large agricultural and food industry projects. They are implemented throughout the world, especially in Russia, Ukraine, Belarus, Kazakhstan, Algeria and Slovakia etc. Our domestic market in the Czech Republic we do mostly projects of a smaller scale. Comprehensive supply of capital equipment, including buildings and technologies for agriculture and food processing, complete farms for breeding and fattening, meat and milk processing, storage of agricultural products, but also in the field of ecology such as storage and processing of slurry, including biogas stations.

## MAIN REALISATIONS

- ▶ **ZD Maleč (Czech Republic) - farm for 600 cows**
- ▶ **DS AGROS Netín (Czech Republic) - farm for 450 cows, incl. reconstruction**
- ▶ **ZDV Krchleby (Czech Republic) - farm for 480 cows, incl. reconstruction**
- ▶ **Nový svět (Russia) - farm for 5,800 sows**
- ▶ **Voschod Kaliningrad (Russia) - farm for 24,000 pigs**
- ▶ **DAN Moravia Agrar (Czech Republic) - farm 1,8 Million fattening of chickens (Danish investor)**
- ▶ **Energotransinvest Kiev in Bolgrad (Ukraine) - farm for 1,500 sows**
- ▶ **Stiomi (Ukraine) - grain storage for 160.000 t of grain**
- ▶ **Maksimovka in Obninsk (Russia) - pig farm for 600 sows**
- ▶ **Borisov farm 1 (Belarus) farm for 24,000 pigs**
- ▶ **Borisov farm 2 (Belarus) farm for 24,000 pigs - in implementation**
- ▶ **Zalevskoe Moloko (Russia) - farm for 1,200 dairy cows**
- ▶ **Astarta Kiev (Ukraine) - farm for 1,200 dairy cows**
- ▶ **DAN SK Agrar (Slovakia) - farm for 6,000 sows (Danish investor - now the completion of the farm for 9,000 sows)**
- ▶ **DAN SK Agrar (Slovakia) - Velké Kosihy - 24 halls for fattening pigs (Danish investor)**
- ▶ **Proovo (Slovakia) - completion of the farm for 4,800 sows (Danish investor)**
- ▶ **Rosagroregion (Russia) - Agrohôtel in Anapa**



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