

TECHNOLOGIES FOR SLURRY PROCESSING AND STORAGE



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Requirements for livestock farms and creating optimal conditions have fundamentally changed. Without new technologies and approaches you cannot guarantee the high efficiency of farms. Therefore, the company BAUER TECHNICS uses the latest scientific knowledge and experience from breeders from around the world. Modern farms for animals use complex high-level technology. 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, feeding and genetic specialists, electrical engineers and others.

BAUER TECHNICS fulfils the above requirements and thanks to this have successfully realised 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.

Regarding the high level and efficiency of a farm is very often decided by solutions of the smallest detail. BAUER TECHNICS therefore respects a proactive approach investors and their teams of experts, such as livestock specialists, feeding and genetic specialists and agronomists. Their detailed knowledge of local conditions, contributes to the creation of more comprehensive and accurate proposals mainly farms and stables. The professional approach of BAUER TECHNICS has always guaranteed the satisfaction of our clients.

REMOVING AND PROCESSING OF SLURRY

One of the sub-parts of the farm is a perfectly functioning system of removing and processing of slurry. Slurry as a byproduct of livestock production and can be used as a very universal fertilizer. On the other hand, the slurry element that negatively affects not only the internal environment of the stable microclimate and general welfare, but also the external environment around the barn, or farm. Quality slurry processing is very important for the required intensive production of vegetables and crops. Optimal slurry processing is positive environmental protection. Processing involves the elimination of the negative impact on the environment of the farm and the wider environment. Slurry is a significant source of organic matter and nutrients, protects and prevents the loss of fertile soil humus and favors its physical-chemical properties. Slurry significantly streamlines the use of water in agriculture, reduces water and wind erosion and positively



affected by the presence of phosphorus. Despite their positive qualities it may be inappropriate to process slurry significantly because of negative factor affecting the environment for example. Groundwater contamination. Slurry may negatively affect the spread of malodorous emissions, which have a negative impact on breeding, production, microclimate and wrong treatment can cause the burning of vegetation.

For this reason, the company BAUER TECHNICS have evolved advanced technology and systems for the processing, storage and application of slurry. Every offer we propose will consider all the possibilities and proposes an optimal system for each farm.

TECHNOLOGY AND SYSTEMS FOR THE PROCESSING, STORAGE AND APPLICATION OF SLURRY.

For this reason, the company BAUER TECHNICS have evolved advanced technology and systems for the processing, storage and application of slurry. Every offer we propose will consider all the possibilities and proposes an optimal system for each farm. BAUER offers the following facilities for processing, transport, composting, storage, application of slurry:

- ▶ **Separators, pumps, mixers**
- ▶ **Tanks and applicators**
- ▶ **System of biogas reactors**
- ▶ **Storage system of slurry in concrete or steel tanks**
- ▶ **Storage system of slurry in lagoons**



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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