



In General

The dry digester pilot B has been installed in Estonia and will be there until the end of March 2014. This time shall be used to give the Estonian public as well as professionals a deeper insight into the digestion technology.

The local partner of the EU project, called ABOWE, is the Estonian regional and local development agency (ERKAS), represented by Reljo Saarepera, Jaan Lõõnik and Priit Freienthal.

First activities already took place and further are planned with the aim to give answers to specific questions regarding the anaerobic digestion technology in Estonia.

ABOWE in Estonia

Pilot plant just arrived

The main objective of ABOWE is the transfer of knowledge and pilot plant is our innovative solution that can be used as practical tool to promote biogas in Estonia. Therefore from mid October 2013 ABOWE is a lot more visible in Estonia as our project pilot biogas plant has arrived to Estonia.

Though there are many working biogas plants in Estonia they are not usually open for public due to safety reasons. Therefore a semi-industrial mobile pilot plant capable of regular and dry digestion that is meant for dissemination serves as an important educational and awareness raising tool for biogas in Estonia.

For its stay in Estonia pilot plant is hosted by Kaarli Farm, near medieval city of Rakvere. This is a modern farm with approx. 1500 cows and ambitious development plans.



The pilot plant at Kaarli Farm

The farm currently stores cow manure in big lagoons but is curious about practical implications of biogas. Therefore the pilot plant serves also as a practical testing ground to assist the farm with practical tests for getting more information on the potential of biogas plant as part of its manure management solution.

The site is quite close to Narva road – one of the main highways of Estonia and therefore easily accessible for visitors from near and far. High schools and universities in the region have already discovered the potential of the project and made contact requesting site visits.

Priit Freienthal

Managing the plant in Estonia

For its stay in Estonia Pilot B test site is taken care by Priit Freienthal, B.Sc., M.Sc. mult, Dipl.-Ing., MBA. Priit comes from the background of physics, education and energy and today he is an expert in the fields of sustainable management and energy efficient solutions.

For ERKAS Priit is a valued member of the team, who serves as an expert in ABOWE project and with all activities related to engineering, sustainable energy and waste to energy. At the same time Priit gives lectures at universities and makes guest appearances in high schools, where he teaches physics and energy saving measures.

Previous long period of work as headmaster, teacher and electrical engineer has given him a good practical experience on how to popularize energy saving and alternative energy production issues among stakeholders be it the businessmen, engineers or students- the stakeholders of tomorrow.





Events

Stakeholder Meeting
17th of December 2013
in Rakvere

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First Estonian Workshop

Plannings for pilot B in Estonia

First Estonian ABOWE workshop took place on Monday, October 28th. The day began with the site visit to the pilot plant and Kaarli farm followed by the visit to the nearby working biogas plant followed by round table discussion. Representatives of ERKAS, as project partner and Kaarli Farm, as hosts of pilot plant had active discussion with expert from Tallinn Technical University, Peep Pitk, B.Sc., M.Sc. and representatives of the ministry of environment.



Local farmer with biogas plants as partner for cooperation

In his presentation Mr. Pitk gave practical advice on operation of pilot plant and how to carry out viable tests in Estonia that will meet the expectations of the project stakeholders. Later discussion on biogas potential and production technologies suitable for

Kaarli Farm and other similar farms in retrospect of waste to energy policies of Estonia, EU and socio-economic situation led to a conclusion that there are high expectancies on the quality of outcome of ABOWE and similar projects as

stakeholders knowledge on the topic is relatively high and public sector as well as businessmen are looking forward to a viable solution that will balance biogas as part of waste treatment and biogas as an energy source in a long run.

First International project meeting for Pilot B in Estonia

December 16-17, 2013 partners and leading stakeholders gather for the first international Pilot B meeting in Estonia to discuss the initial progress of piloting as well as prospective for the business case in Estonia.

followed by a practical discussion amongst project partners and round table with the local stakeholders to define the expectations, technical realities and socio-economic situation for the successful business case. Discussions are followed by a joint on site visit to Kaarli Farm and Pilot B test plant.



Priit Freienthal, B.Sc., M.Sc. mult. Dipl.-Ing., MBA.

Presentations from Estonian experts will lead in the day,



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