

## Further project information

<b>Company name</b>	<b>KNOTEN WEIMAR Internationale Transferstelle GmbH</b>
<b>Project title</b>	<b>Advanced Biogas Training Course for Thai experts/trainers</b>
<b>Short description of the project</b>	The project objective is to promote more use of biogas from livestock farm waste and agricultural industrial waste water. The project will organize trainings to target audiences who are operators, installers and educators. The advanced training course in Germany aims to increase capability of the Thai trainers (train-the-trainer) as well as biogas related public sector. Main problem here is to get the most efficient biogas conversion, as there is much more potential for increased production. This is preparation of input material, process control (temperature, pH, operations), biogas cleaning and upgrading and operation of the CHP (with high efficiency but need clean gas). What Thailand can learn from Germany is the use of high dry matter materials, the input preparation, the feeding, the process control and the efficient CHP operation.
<b>Project classification</b>	Training, Capacity Building
<b>Key words</b>	Waste collection and transport, Waste to energy, Bio-mechanical or physical-mechanical waste treatment, Fermentation, Capacity Building, Training
<b>Benefits to the environment:</b>	Using resources to protect the environment
<b>Effects on the optimisation on hygiene, occupational health and safety:</b>	Training for biogas operator -Safety-Start up and shut down procedure- Trouble shooting guideline- Safety regulations: construction of biogas plant, structural design permit, control of explosion zones, safety distant between CHP, buildings and digester
<b>Effects on the sustainable qualification of employee:</b>	Transfer the knowledge learnt to Thai trainees- Knowledgeable in the international biogas related standards, testing and regulation.- Knowledgeable in the biogas industry, technology trend and policy
<b>Essential parts of the implementation, status quo and open questions or issues:</b>	Overview of technology- planning, operating and monitoring process- Certification and standards, - regulations and safety
<b>What make the project attractive?</b>	Trainer with scientific and practical experiences - special excursions and discussions with the operators
<b>What Information were helpful at the start of the project?</b>	Personell contacts to the Thai partners