

BioChain - Study tour

Feedback report

At each place visited in framework of the study tour waste treatment solutions promising for the sustainable waste management were presented. And in this report I would like to give a short summary on the thought I have during the tour.

1) At wastewater treatment plant in Fredericia. The CAMBI technology applied at the plant is wastewater treatment solution designed by Norwegian company CAMBI A/S. The technology is designed to handle biowastes for biogas and is unique due to thermo hydrolysis step involved. The two main advantages of the method are: increased biogas output, pathogen-free and pasteurised digestate. The technology is first known as wastewater treatment solution. But, to my knowledge, there is a new plant build in Norway, where the technology is applied for organic fraction of MSW, i.e. food waste.

2) At Maarbjerg Biogas. The Maarbjerg plant is an example of very advanced waste treatment system providing a high level of sustainability. The technology might be assumed to represent the BAT in waste treatment field; however, holistic evaluation of the plant's performance has not been performed.

3) At Research centre Foulum. The research being performed at Foulum is able to provide solution to the questions which are highly relevant today. Such is, for instance, straw pretreatment prior to biogas. Not many solutions for straw pretreatment prior to biogas are known, but straw extrusion seems to be a simple and effective method.

Acknowledgement

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