



Draft-Program IR Thailand

Business & study trip on Biogas from Thailand to Berlin and its surrounding area

27th – 30th April 2015

Saturday 25 th April 2015 & Sunday 26 th April 2015	
All day	Arrival in Berlin, Germany Pick-up service from the airport
Monday 27 th April: Kick-off event and Site visit	
Departure from hotel 8.30	
08.30 – 09:30	Bus transport to kick-off event
09:00 – 10.00	<p>Optional: Tour EUREF Campus Biogas block-type thermal power station on the EUREF Campus</p> <p>On the EUREF campus at the gasometer Schöneberg a block-type thermal power station has become operational, which is run by biogas. It supplies a redeveloped office building - called "Messelbau" - on the ground of the EUREF Campus as well as the dome tent for events in the gasometer with environmentally friendly energy and heat. The biogas is delivered by the Gasag. The executive director of EUREF AG Reinhard Müller says: "These are the first CO2 neutral constructions in Berlin." More than five million euros have been invested in the office building in Torgauer street. It is designed by the architect Alfred Messel and is completely rented. Renters are the German headquarters of the European climate network and the innovation center for mobility.</p>
10.00 – 12:30	<p>Kick-off event at: EUREF Campus Torgauer Str. 12 10829 Berlin</p>
12:30 – 13:30	Lunch break on a self-payment basis, (optional: small catering)
13:30 – 15:00	Networking with German companies
14:00 – 15:00	Transport to Ruhleben
15:00 – 17:30	<p>Site visit No. 1 (tbc) BSR Biogasanlage West Freiheit 16 13597 Berlin</p> <p>At the beginning of June 2013 the new biogas plant of BSR had been brought on line. In the future it will process 60.000 tons of biological waste from households in Berlin. The plant will work with the principals of the dry fermentation procedure. Thereby micro-organisms will set biogas from the biological waste free. This method is suitable for biological waste with a water content of 60 – 80 percent as it is mostly in the kitchen waste. Biogas can be used for different purposes. After it has been cleaned, processed and concentrated, 98 percent of it contains of methane and is chemically identically to natural gas. After the right processing the gas also fulfills the high demands of the Gasag and can be injected into the towns' gas net.</p>
Requested: Evening reception Thai Embassy in Berlin (tbc)	
<p>18.00 Arrival at hotel Possibility of a joint dinner (self-payment basis)</p>	





Tuesday, 28 th April: Site visits in Berlin and Brandenburg // Saxony	
08:00 Departure from hotel	
08:30 – 11:30	<p>Site visit No. 2 (tbc) Technische Hochschule Wildau Hochschulring 1 15745 Wildau</p> <p>Explanation of different uses in the biogas research (algae, biogas reactors, co-generation, trigeneration, fuel cells and utilization of waste heat)</p>
11:30 – 12:30	Transfer
12.30 – 13.30	Lunch break on a self-payment basis
14:00 – 17:30	<p>Site visit biogas plant No. 3 (tbc) Klotzsche, close to Dresden - Visit of biogas plant Klotzsche of the public utilities Dresden: This plant supplies industrial companies and the airport of Dresden with heat.</p> <p>Site visit No. 4 (tbc) Continue journey to Döbeln – Visit of biogas plant Haßlau of the public utilities Dresden</p> <p>Biogas plant with biogas processing to bio methane - 1,400 norm cubic meters of biogas are processed to 700 norm cubic meters of bio methane = natural gas substitute processed per hour and injection into a gas transmission line. This bio methane will be taken arithmetical from the cogeneration plants of the Dresden area and therefore the energy will be mainly used – the difference to biogas plants in rural areas with conventionally block-type thermal power stations is that often a large amount of the waste heat cannot be used.</p>
17.30	Transfer to Dresden, overnight stay in Dresden
Wednesday, 29 th April: Site visits in Dresden and Senftenberg	
09:00 Departure from hotel in Dresden	
10:00 – 13:00	<p>Site visit of No. 5 (tbc) Visit of biogas plant Thienendorf of the Greencity Energy plc</p> <p>A conventional liquid fermentation biogas plant with 600 kilowatt electric, block-type thermal power station technology. The waste heat is completely used over local heat conduction in a horticultural business. The biogas plant mainly uses cow and dry chicken excrement - for this a special processing technology was installed (comminution aggregates)</p>
13:00 – 14:00	Lunch break on a self-payment basis
14:00 – 16:00	<p>Site visit of a practical example No. 6 (tbc) Visit of the university of Brandenburg in Senftenberg</p> <p>Demonstration of the biogas experimental laboratory on the subject of renewable raw materials</p>
17.00	Transfer to Berlin, possible closing meeting
19:00	Possible Dinner on a self-payment basis
Thursday, 30 th April: Return Journey	
Start from 07:00	Transfer to airport





Accommodation and Catering	
Hotel	Hotel in Berlin: Motel One (Cost around 80 Euro/night) Berlin Alexanderplatz or Kurfürstendamm Hotel Dresden: TBC (Costs up to 80 Euro/night)
Catering costs in Germany	Basically on a self-payment basis

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