



clean fleets

purchasing clean public vehicles



Procuring Clean Buses

On the way to electric buses –

Environmental and operational aspects reflected in the life cycle costing approach?



BREMEN

Date: Wed. 11 December 2013 (09:00-17:00) & Thurs. 12 December 2013 (9:00-13:00)

Location: Radisson Blu, Böttcherstrasse 2, 28195 Bremen, Germany

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Participation is free, but you have to register for the event:

<http://www.clean-fleets.eu/training-and-events/workshop-bremen/>

Topics covered:

- Procurement of clean buses – Obligations of public transport operators and local authorities
- What are “clean” buses? – Comparison of different technology options, e.g. Diesel Euro V and VI, CNG, LNG, hydrogen, hybrid, electric etc.
- Electric future – how do electric buses fare within a life cycle cost analysis?

Demonstrating electric buses in practice – driving and recharging

- Test drives with the Rampini-Bus and the EURA-Elektrobus (12m)
- Inspection of the charging infrastructure, demonstration of overhead cable charging

TUESDAY, 10 DECEMBER 2013

20:00	<p>Informal “get together”</p> <p>“Ständige Vertretung”, Böttcherstraße 3-5 (in the old town, close to the venue)</p>
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DAY 1: WEDNESDAY, 11 DECEMBER 2013

	Programme
09:00	<p>Official welcome and introduction</p> <ol style="list-style-type: none"> 1. Welcome – <i>Dr. Joachim Lohse, Senate for Environment, Construction and Transport</i> 2. Introduction to the day's programme - <i>Michael Glotz-Richter, Bremen (Senate for Environment, Construction and Transport)</i>
09:15	<p>Session 1: Clean urban buses – current status and developments</p> <ol style="list-style-type: none"> 1. Public transport in Bremen – ever more electric! - <i>Willi Eisenberg, Bremer Straßenbahn AG (Technical Director.)</i> 2. Buses – an opportunity and a problem. The role of urban buses in the concepts of sustainable mobility, climate protection, air quality and noise reduction - <i>Falk Heinen (BMU – German Ministry of Environment)</i> 3. On the way to the electric bus - Comparing vehicle technologies from the life cycle cost perspective under the CVD - <i>Prof Ralph Pütz (University of Applied Sciences Landshut) / German Association of Public Transport –vdv-</i>
10:30	<p>Coffee break</p>
11:00	<p>Session 2: Electric buses in practice</p> <ol style="list-style-type: none"> 1. Where do we stand in Europe today? - <i>Umberto Guida, UITP</i> 2. Showcase: Zurich - <i>Alexander Wötzel, Zurich Public Transport (VBZ)</i> 3. Showcase: Vienna (Rampini/Siemens) - <i>Andreas Laske, Siemens</i>

	Programme
12:15	Lunch
13:15	<p>Demonstration: Electric buses in practice - Driving and recharging</p> <p>Test drive with the Rampini-Bus and the EURA - battery electric bus (12m) Inspection of the charging infrastructure, demonstration of overhead cable charging</p>
15:15	Coffee break
15:30	<p>Session 4: Opportunities and barriers on the road to electric buses</p> <p>Moderated World café style group discussions – 3 groups of participants will visit three tables in turn, each addressing a different issue. 30 minutes will be spent at each table. The issues:</p> <ul style="list-style-type: none"> • Financial aspects and Life Cycle Costing • Operation and technology • Integration of electric buses into the transport system of a city
17:00	End of afternoon sessions
18:00	Chance to visit the historic Bremen Christmas Market on the (nearby) Schlachte.
20:00	Dinner / Reception (“Restaurant am Deich” – walking distance)

DAY 2: THURSDAY, 12 DECEMBER 2013

	Programme
09:00	<p>Welcome & recap of the first day</p> <p>Presentation of the Clean Fleets project - <i>Simon Clement, ICLEI – Local Governments for Sustainability</i></p>
09:30	<p>Session 5: Clean bus procurement from around Europe</p> <ol style="list-style-type: none"> 1. Showcase: Rotterdam – <i>Prof. Frank G.Rieck, Rotterdam University, eMobility-Lab</i> 2. Showcase: Eberswalde – <i>Stephan Rutscher, BBG Eberswalde (local transport operator)</i>
10:15	Coffee break
10:30	<p>Session 5 (continued):</p> <ol style="list-style-type: none"> 3. Showcase: Stockholm – <i>Jonas Ericsson, (City of Stockholm)</i> 4. Showcase: London – <i>Venn Chesterton (Transport & travel Research)</i>
11:15	<p>Session 6 – Electric buses and the CVD</p> <p>Moderated panel discussion: <i>How effective is the CVD in promoting electric urban buses?</i></p> <p>Panelists:</p> <ul style="list-style-type: none"> • Olav Luyckx, European Commission, EACI (tbc) • Umberto Guida, UITP • Christoph Klaes, Siemens • Jonas Ericsson, City of Stockholm • Michael Glotz-Richter, City of Bremen <p>Moderator: <i>Simon Clement, ICLEI</i></p>
12:30	Farewell note
13:00 – 14:30	Lunch

Directions

Venue:

Radisson Blu Hotel Bremen

Böttcherstrasse 2, 28195 Bremen

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info.bremen@radissonblu.com

www.radissonblu.com/hotel-bremen

tram stop „Domsheide / City centre“ (12 minutes by line 6 from the airport, 6 minutes from Central Station by tram lines 4,5,6,8, and bus line 24)

A discount room rate is available at the Best Western Schaper-Siedenburg until 10 November – please use the code: „Cleanfleets“.

Single room €74,00 per night
Including breakfast and WLAN

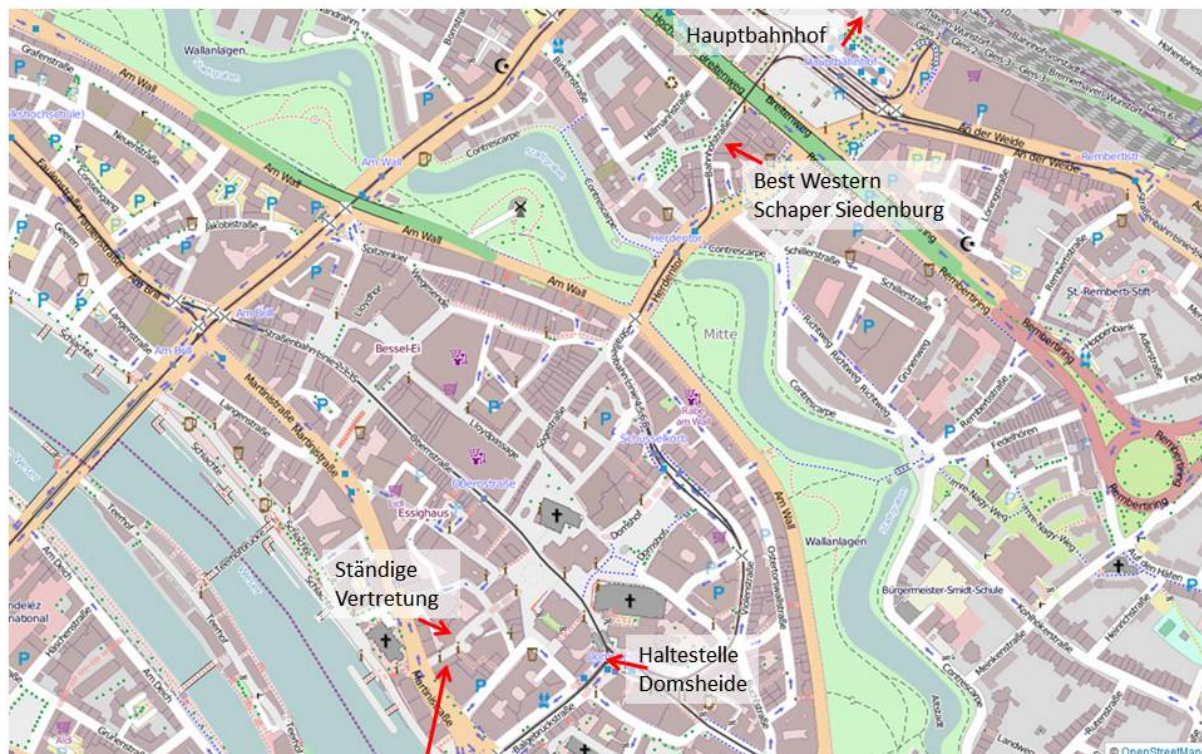
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Bahnhofstraße 8, 28195 Bremen

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www.stadt-hotel-bremen.de

- walking distance to the venue (8 minutes by foot) -



Radisson Blu