

ASSURED workshop:

From governance to operations: innovating sectors and services for the full deployment of e-trucks in urban logistics

Bilbao, 27th of September 2019

Venue:

Bilbao City Council – Plaza Ernesto Erkoreka, 12, 6th floor, Bilbao, Spain

The ASSURED project (www.assured-project.eu) aims at boosting the electrification of urban commercial vehicles and their integration with high power fast charging infrastructure. ASSURED will test number of electric buses, waste collection and delivery trucks as well as one light commercial delivery vehicle with automatic fast charging solutions. The goal is to showcase the interoperability between different brands of vehicles and charging solutions, providing more flexibility to the public transport and freight providers in their daily operations.

Business case development: interoperable ultra-fast charging for e-buses and e-trucks.

For the development of business cases it is important to look at both the challenges for implementation (e.g. payment and reservation) as well as the advantages of this solution (e.g. better use of limited space, shared investment costs between operators, etc.). Also, regulatory aspects need to be taken into consideration (e.g. selling electricity to 3rd parties). Therefore, in this ASSURED workshop we will discuss relevant aspects for the development of a business case for ultra-fast charging infrastructure that is used by both public transport and logistics vehicles. We will take into consideration the various requirements of freight operators, PTOs/ PTAs, OEMs as well as charging solutions suppliers.

The Workshop is focused around two areas of reflection:

- Governance and policy: SUMP Guidelines on planning for electric road mobility solutions, with a focus on the charging (shared) infrastructure for heavy-duty vehicles, and the integration of electrification strategies. Presentation of the e-mobility strategy and the cross-sectorial & multi-governance approach of Bilbao.
- Operations: general elements supporting fast charging infrastructure for urban logistics vehicles. Presentation of application in Amsterdam, ASSURED Volvo Case, addressing interoperability b/w e-trucks and e-buses sharing the same fast charging infrastructure, and the role of charging stations for electrification of Bilbao's fleet.

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Agenda

9.00 - 11.00	Site visit Iberdrola charging stations and more (<i>details at the end of the doc</i>) Meeting point: Bilbao City Council – Plaza Ernesto Erkoreka, 12
11.00 - 11.30	Registration and welcome coffee
11.30 - 11.40	Welcome & Introduction Nelida Santos, <i>Bilbao City Council</i> Summary of the previous meeting (Oslo, 24 th of September 2018) Giacomo Lozzi, <i>Polis Network</i>
11.40 - 12.00	Presentation of ASSURED project State of the art and intermediate results Sabina Asanova, <i>VUB, ASSURED project manager</i>
Part 1 – Governance and policy	
12:00 - 12:10	SUMP 2.0 Guidelines – Electrification in sustainable urban mobility planning Topic Guide¹ Planning for electric road mobility solutions in urban areas in a SUMP context Thomas Mourey, <i>Polis Network</i>
12:10 - 12:30	E-mobility strategy in Bilbao Sustainable Urban Mobility Plan² and impact on the logistics sector The electrification of transport and logistics in the Bilbao SUMP and the Bilbao Smart Mobility initiative ³ Urrotz Larrañaga Garate, <i>Bilbao City Council & Nerea Rojas, Basque Mobility and Logistics Cluster</i>
12:30 - 12:45	Sustainability Energy Law. Cross-sectorial & multi-governance approach The role of the Energy Agency of the Basque Government for the electrification of transport in Bilbao Álvaro Pérez de Laborda, <i>Basque Energy Agency - EVE</i>
12:45 - 13:15	Q&A and discussion
13:15 - 14:00	<i>Lunch</i>

¹ https://www.eltis.org/sites/default/files/electrification_in_sustainable_urban_mobility_planning.pdf

² <https://www.eltis.org/discover/news/bilbao-leads-commitment-sustainable-mobility-spain>

³ Integral solution for the acquisition, installation and contracting of recharging points both for privates and companies, and the deployment of more publicly accessible charging points.

Part 2 – Operations	
14:00 - 14:20	<p>Needs for providing fast charging infrastructure for urban logistics vehicles – the case of Amsterdam</p> <p>Combined TCO model, comparing the cost b/w owned vs external charging services; slow vs fast vs ultra fast charging; downtime vs opportunity charging. Energy demand in forecast scenarios.</p> <p><i>Robert van Hoed, Amsterdam University of Applied Sciences</i></p> <p><i>Tharsis Teoh, PANTEIA</i></p>
14:20 - 14:35	<p>ASSURED Volvo Case: interoperability between e-trucks and e-buses sharing the same fast charging infrastructure. How can it work in practice?</p> <p><i>Fredrik Cederstav, AB Volvo</i></p> <p><i>Spyros Ntemiris, City of Gothenburg</i></p>
14:35 - 14:45	<p>ASSURED MAN Case: optimised electric drivetrain of refuse collection trucks demonstrator</p> <p><i>Stefan Fries, MAN Truck & Bus SE</i></p>
14:45 - 15:00	<p>Allego: first MEGA-E high power charging network site in Europe</p> <p>The EU TEN-T/CEF funded initiative aims for 322 ultra-fast chargers up to 350 kW in at least ten metropolitan areas in Europe.</p> <p><i>Frank Verhulst, Allego</i></p>
15:00 - 16:00	<p>Break-out session: development of a business model for shared ultra-fast charging infrastructure used by public transport and other electric vehicles</p> <p>Moderator: <i>Henning Günter, Rupprecht Consult</i></p> <p>Questions and topics:</p> <ul style="list-style-type: none"> - Stakeholder needs and requirements - Existing challenges for wide implementation - Added value and benefits - Supportive policies and measures
16:00 - 16:30	Wrap up and conclusions – All
16:30	<i>End of the workshop</i>



Practical information

Meeting Venue

The Meeting will take place in the:

Bilbao City Council – Plaza de Ernesto Erkoreka, 12, 6th floor - 48007 Bilbao

Informal dinner (26th of September)

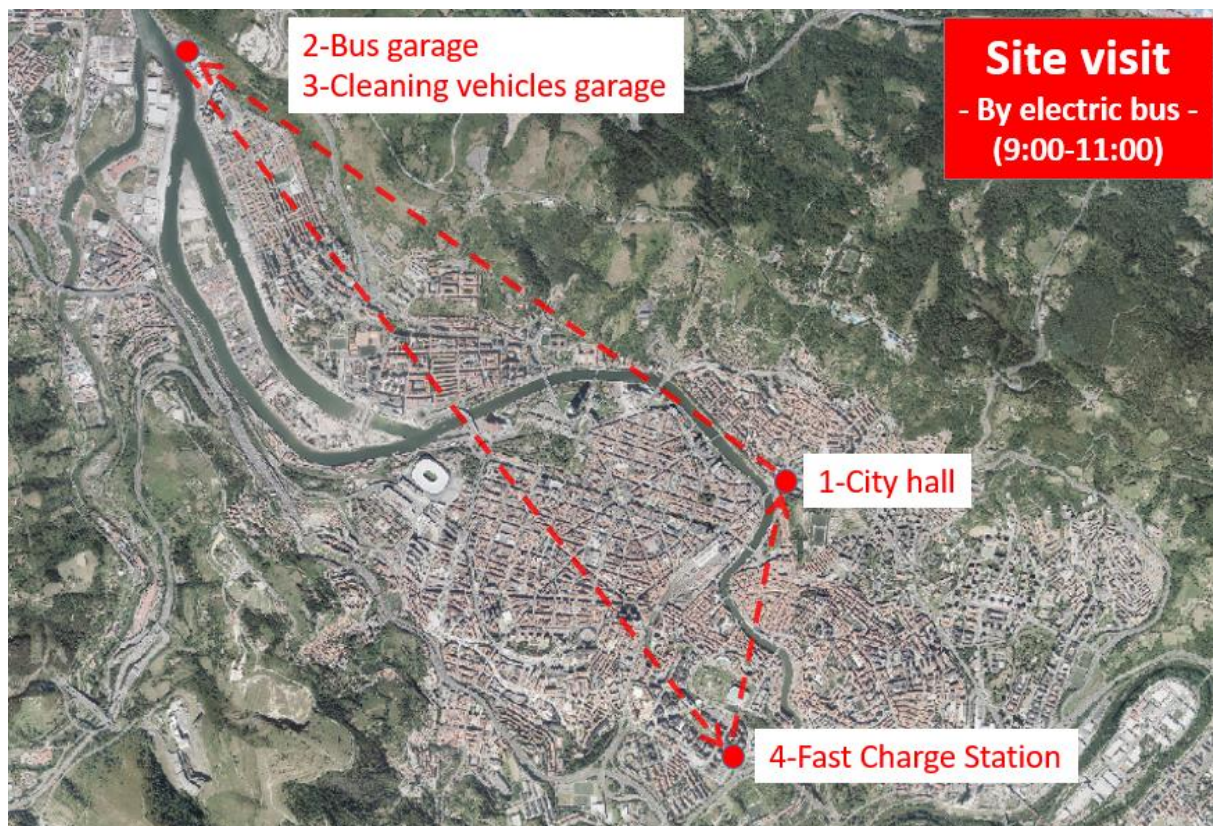
(Optional) – meeting point: 20:00 at Berástegui Kalea, 1 (in front of ARRESE bakery)

Site visit (9:00-11:00)

Meeting point: 9:00 at in front of Bilbao City Council – Plaza Ernesto Erkoreka, 12

Charging stations' role for electrification of Bilbao's fleet – Iberdrola

Two new electric stations (50kW) offer free charging for one year in Bilbao. Iberdrola plans to carry out demonstrations, for any service linked to the city of Bilbao.



Airport → City Centre

The city centre is accessible from the [Loiu Airport](#) (Aeropuerto de Bilbao - Bilbao) via:

- **Taxi:** 25€ (all taxis have official metres).
- **Bus:** Bizkaibus runs a regular service (line A3247) to the city centre every 20 minutes from 06:20 to 00:00. Single ticket: 1,40€. [See timetables](#)
- **Car rental:** Avis, Enterprise, Europcar, Hertz, Sixt.

Public transportation, if needed:

- Tube ([Metro Bilbao](#)), *Abando* station, 1,50€ (within Bilbao). 10 minutes by walking.
- Bus (Bilbobus): *Campo Volantín*.

Parkings for rental/private cars:

- Parking Plaza de Euskadi El Arenal (17,61 €/day).
- Parking Pio Baroja (max. 13,90€/day)

Restaurants

Meal times in Spain are usually:

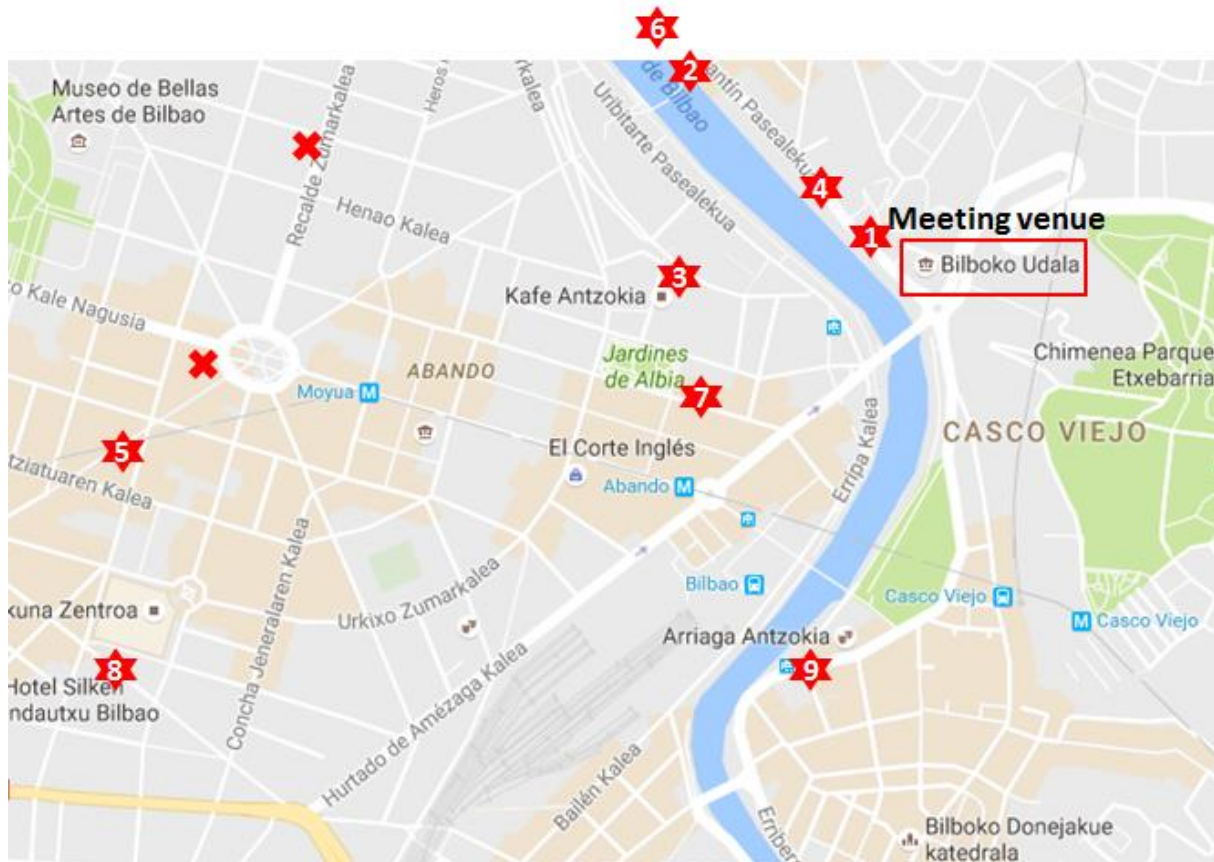
- 13:30 to 15:00 for lunch (the main meal of the day). The typical "Menú del día" offers a short choice of two courses plus dessert for 10-25€.
- 20:00 to 00:00 for dinner.

Tipping is not compulsory, yet it is a widely spread custom.

Hotels

Some hotels near to the meeting venue:

1. Hotel Bilbao Plaza
2. Hotel Conde Duque Bilbao
3. [Hotel Mercure Jardines de Albia](#)
4. [Barceló Bilbao Nervión](#)
5. [Ercilla López de Haro](#)
6. Hesperia Bilbao
7. [Hotel Abando](#)
8. Silken Indautxu
9. Petit Palace Arana



HOTELS



BUS FROM/TO THE AIRPORT

Sightseeing & Tourism

In Bilbao:

<http://www.bilbaoturismo.net/BilbaoTurismo/en/tourists>

In Biscay:

<http://www.mybilbaobizkaia.com/portada/index.asp?Idioma=3>