

ACTIVITY 3.2 Pilot actions implementation

PILOT ACTION FINAL REPORT

Final Version
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1. PILOT ACTION IMPLEMENTATION

PROJECT PARTNER	Freeport of Budapest
PILOT PROJECT NAME:	TalkNET Thematic work package 3 - PA for ECO-innovations on alternative fuels deployment: development of new e-mobility services - Pre-feasibility study to develop new e-mobility services in the Freeport of Budapest
PILOT PROJECT ID:	O.T 3.2.8.

2. DESCRIPTION OF THE PILOT ACTION

NEEDS AND CHALLENGES ADDRESSED BY THE PILOT ACTION (max. 2000 characters)

FBL is a core inland port in Hungary, classified as an “Intermodal Logistics Service Centre” with approximately 60 companies operating in the port. The port is ready to expand its traditional functions and use its key strategic position as an eco-friendly multimodal logistics centre and last-mile delivery hub within Budapest. The aim of the planned PA is to explore the eco-friendly growth possibilities of FBL as a last mile multi-modal transportation hub. Included in the pre-feasibility study the possible stakeholders and offered solutions influencing the ports development possibilities has been mapped. The aim was to increase economic and social benefits generated by the functioning of the port and to simultaneously reduce the negative environmental effects.

Freeport of Budapest asked for the permission of the Managing Authority to change the initial pilot action of PP8, that has formerly been the “Development of a feasibility study on ECO-innovations on LNG deployment as alternative fuels: FS for LNG investments”. The Managing Authority allowed the change in the theme of the formerly planned feasibility study on the 29th November 2019. The final theme of the pilot action of PP8 is “PA for ECO-innovations on alternative fuels deployment: development of new e-mobility services”.

PURPOSE OF THE PILOT ACTION (max. 1000 characters)

The purpose of the pilot action was the verification of environmentally friendly development plans of FBL. The output of the pilot action is a pre-feasibility study. As part of the pre-feasibility study a thorough analysis has been carried out on the current city logistics situation of Budapest and the port within. The demand and supply side has been observed and described in details. A stakeholder analysis has been carried out for the identification of potential port operators and market influencers for precise identification of the market needs and also to create better communication with the surrounding public authorities and the involved local government to be able to serve public demand in city logistics.

CONTENT AND OUTPUT OF THE PILOT ACTION - DESCRIPTION OF THE DELIVERABLE (max. 15000 characters)

The output of the pilot action is a pre-feasibility study that consists of the following assessments and documents.

After the introduction of the project context, the organisational structure of the FBL has been described and the description of its technical, legal and financial capacities. A thorough analysis has been carried out of the current logistics situation including a description of the investment costs and financing of the planned upgrade and the detection of possible financial sources and calculation of the future operating costs. The importance of last mile connections has been highlighted.

An assessment has been carried out to map the existing market situation in order to define realistic development plans. The market supply of EV's has been examined. A technical documentation has been drawn up of the currently available electric infrastructure within the port. Measurements have been made of the actual technical conditions and possibilities for future developments.

A thorough stakeholder group analysis has been carried out to identify the main stakeholders of the planned investment.

An impact analysis defined the policy measures encouraging the shift towards e-mobility in city logistics.

The Pre-FS also included a risk analysis, sustainability assessment and a GANTT chart for the recommended implementation schedule.

WERE THERE ANY DEVIATIONS IN TERMS OF THE CONTENT OR PURPOSE OR ANY PART OF THE PILOT ACTION - IF YES, PLEASE DESCRIBE THE REASONS (max. 2000 characters)

Originally the planned pilot action of PP8 has formerly been the "Development of a feasibility study on ECO-innovations on LNG deployment as alternative fuels: FS for LNG investments".

FBL has requested to change the theme of the original pilot action. The Managing Authority allowed the change in the theme of the formerly planned feasibility study on the 29th

November 2019. As of that date the final theme of the pilot action of PP8 became “PA for ECO-innovations on alternative fuels deployment: development of new e-mobility services”.

Since the implementation of the final pilot action begun there have been no deviations from the planned content or purpose.

3. STAKEHOLDER’S INVOLVEMENT

HOW THE STAKEHOLDERS WERE INVOLVED (max 2000 characters)

Stakeholders to be involved in the preparation process of the pilot action begun first in the line of work as they are key players of the planned investment. After setting up a pool of potential stakeholders, stakeholder groups have been created based on the general activities of the stakeholders. The stakeholders have been interviewed for better assessment of their relation to the pilot action’s topic. Direct and indirect users of the planned investment have been identified.

An online stakeholder meeting has been organised at the end of the pilot action process for promotion of the pilot action. The secondary aim for the stakeholder involvement was to set base for a long term communication between the identified key players.

4. TRANSFERABILITY OF PILOT ACTION RESULTS

TRANSFERABILITY OF THE PILOT RESULTS TO OTHER PARTNERS OR OUTSIDE THE PROJECT PARTNERSHIP ALSO INCLUDING OTHER REGIONS (max. 2000 characters)

The implemented pilot action is a good example on how to define and map development possibilities and strategies for one port and or transportation hubs. It provides tools and aspects that shall be used and observed when planning the eco-friendly economic development of such a facility taking into consideration the environmental needs and challenges of a city with approx. 2 million inhabitants.

The implemented pilot action can be useful for other partners with similar aims and challenges. Depending on the location of a partner, some parts of the delivered pilot action can be used as a baseline material, but partner specific assessment and research must be carried out individually.

The developed pilot action can be used by local policy makers as supporting documents when drawing up strategies for city logistics in the future.