



EUROPEAN UNION

European Regional Development Fund

Senate Department for Economics, Energy and Public Enterprises

BERLIN



Europe Makes Berlin — Fit for the Future

ELECTRIC FIRE TRUCKS FOR BERLIN

Berlin-Mitte is colorful and lively. This is also noticeable in road traffic and its noise level. In addition, the 14-ton diesel vehicles used by the fire brigade spend 30 thousand times a year. This creates considerable noise pollution for residents and firefighters. Fire trucks also emit pollutants that contribute significantly to air pollution.

An important goal of the project “eLHF” (hybrid electric extinguishing and assistance vehicle), is to test an innovative extinguishing and assistance vehicle that is powered via electricity. The results serve the research and development of electric propulsion systems in fire trucks.

The aim is to convert more than 80 % of operations of firefighting and assistance vehicles to a purely electric mode in the long term. In this way, the Berlin Fire department lives up to its responsibility to the climate and the environment.

The European Regional Development Fund (ERDF) promotes the transition to sustainable mobility and low-carbon technologies in Berlin as part of “BENE Klima”, the Berlin Programme for Sustainable Development.



The electric extinguishing and assistance vehicle

“With the fire-fighting vehicle with a purely electric drive, we test and future-proof mobility and environmentally friendly operations”.

Bastian Profft, Fire Inspector at the Berlin Fire Brigade



A look into the interior



SAFE AND RELIABLE

Whether firefighting, civil protection or human rescue: The proper and reliable operation of the trolleys must always be guaranteed. To ensure that these tasks can always be performed reliably, an additional diesel engine ensures that the vehicle is always ready for action, even if the battery storage runs out.

ERDF PROMOTES CLIMATE PROTECTION

Due to the electric and green-powered drive, the “eLHF” achieves a significantly lower emissions of soot, carbon dioxide and nitrogen oxide compared to other firefighting vehicles. This leads to a significantly less polluted and noise-burdened environment in the vehicle halls, on site and on the roads and relieves, the heavily affected urban districts environment.

ERDF WORKS IN BERLIN

The electrically powered model vehicle responded to around 1,500 alarms in 2021. If the practical test is passed in the long term, the entire Berlin fire truck fleet is to be changed to electric mode.

The ERDF makes Berlin fit for the future by

- reducing the pollution by using climate-neutral, electricity-powered fire engines.
- decreasing noise pollution due to the absence of loud diesel engines.
- helping Berlin achieve its climate protection targets

FUNDING

Funding priority:
Reduction of CO2 emissions

Funding instrument:
Berlin's Sustainable Development
Programme

Funding amount:
EUR 1,800,000 of which 50% ERDF

CONTACT

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Urban Mobility, Consumer Protection
and Climate Action

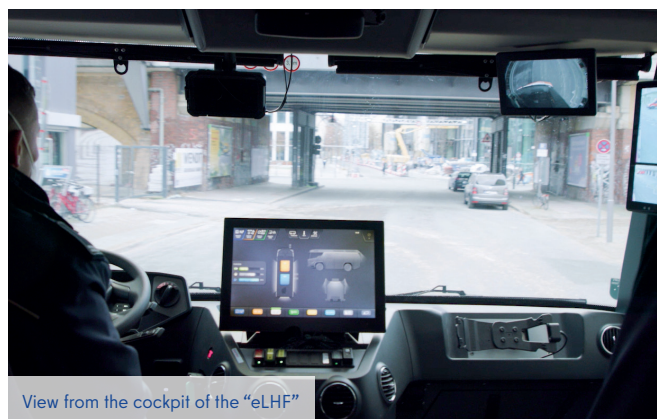
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View from the cockpit of the “eLHF”



In conversation with the fire inspector



The “eLHF” from the front



The “eLHF” in use