

Dual-use UAV and UGV Multimodal Transportation



Potential drone-mothership delivery concept – Figure generated using Microsoft Copilot (GPT-5) based on a user-defined prompt (May 2026).

The Goal of the Project:

Unmanned vehicles (UV) both in the air (UAV) and on the ground (UGV) have seen a fast technological development during the last years. However, the commercial viability of UV-based transport services remains limited. The goal of this pre-study is to conduct a literature search and interview relevant stakeholders in order to identify one or several concepts within multimodal transport of electric unmanned vehicles, which has potential for further investigation.

Expected Result:

A mothership concept with UAV and buses/trucks for rural delivery applications seems most promising at this stage. The result of the pre-study will be a consortia of SEC partners and the submission of at least one project application for a PhD project during the next stage of SEC.

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