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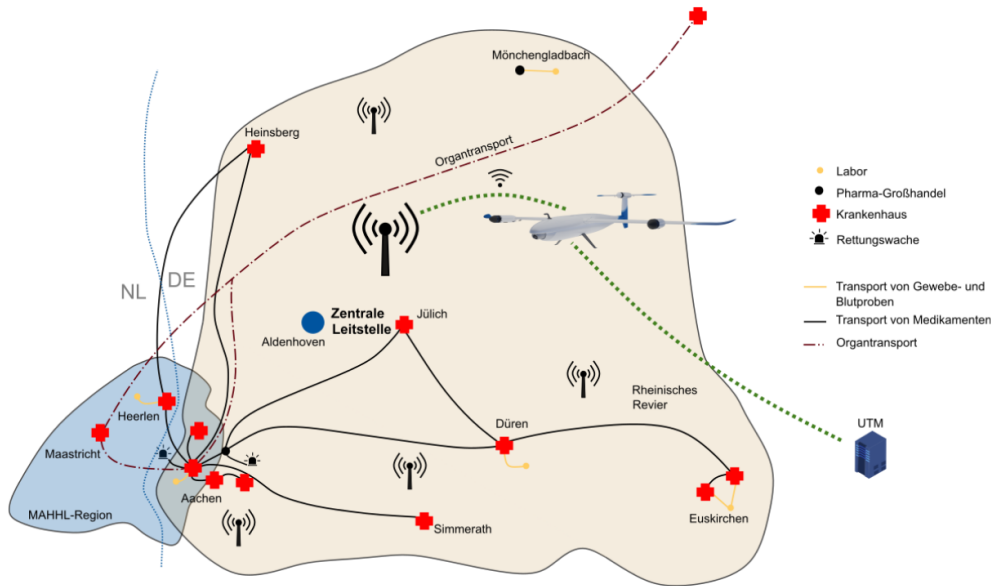


Europäische UAV-unterstützte
Transport-Lösungen für Medizinische Güter



Investigation on the operation of
unmanned aerial systems in health care

In the study area of the rhenish mining district and the cross-border MAHHL region, laboratories, hospitals and pharmaceutical wholesalers are cooperating to investigate use cases with EULE and develop possible flight routes.



What is EULE about?



The EULE project is piloting the smart networking of medical logistics processes. With the help of UAVs (Unmanned Aerial Vehicles), laboratories, hospitals and pharmaceutical wholesalers can exchange services quietly, quickly, punctually and potentially in a climate-neutral manner. The key is that in EULE not only the drone is tested, but the entire process: from the application for clinics to the provision of the drone, software, network provision, geodata and, of course, flight space regulations as well as data protection.

Why EULE?



Medical goods require a high level of security during transport. In addition, they often have to be transported quickly and individually from place to place. EULE helps with all these problems. UAVs can deliver time-critical goods on time. In doing so, they do not cause traffic jams, noise or CO2. Furthermore, they are more true to scale. There is no need to drive a car for a tissue sample in a test tube. EULE will also link the countryside more closely with the city. In emergency situations, medical supplies can reach the village quickly and GPs can send samples to the lab.

Holistic and fully automated



EULE covers the entire concept of an automatic delivery service of medical goods. The clinic sends an assignment to the central control center. This sends the request on to the MedPort, where the flight system is loaded automatically. Meanwhile, the control center is in constant contact with flight service providers, who provide data on weather and air traffic and takes care of flight permits and other regulations. This data is transmitted to the UAV control center, where the flight system is autonomously controlled.

Target-oriented testing



The technology for UAVs has been around for several years. What has been missing so far are concrete use cases. EULE provides enough expertise through a broad-based consortium to concretely test use cases. The goal was set to create clear added value for the broader society through drones. Making health more efficient and sustainable creates added value on several levels. In addition to technical expertise, the city of Aachen is also part of the consortium to communicate this added value and represent citizens in the process.

Health for the region



EULE offers a unique opportunity for the Rhenish coalfield and a (potentially life-saving) link between town and country. To this end, we are also cooperating with the districts of Düren, Heinsberg and Euskirchen and the MAHHL region. Medical care should have no borders. Especially in the Euregio, EULE offers many opportunities. For more information about our vision and its implementation, please visit our website.

The consortium: