KLU RESEARCH PROJECT

AUTONOMOUS LOGISTICS IN RURAL AREAS (AULORA)

PROJECT DURATION
April 2020 – March 2022

PROJECT LEADER
Prof. Dr. André Ludwig (Leipzig University)

BRIEF DESCRIPTION
New business models are needed to make rural regions attractive and livable again. Digitization offers great opportunities. The logistics of goods plays a central role here. However: conventional logistics infrastructures are unsuitable for the low flows of goods in rural areas from an economic and ecological point of view. The network "Autonomous Logistics in Rural Areas" aims to develop novel logistics systems and concrete technical solutions with the help of autonomous means of transport in order to organize deliveries and flows of goods in rural areas in a demand-oriented, cost-effective and environmentally friendly manner. The primary use case is the village store, expanded as a local logistics node in postal and parcel delivery over the last mile. Further use cases in the area of local flows of goods, materials and energy are to be developed in the network.

PROJECT FUNDERS
Federal Ministry for Economic Affairs and Energy (Bundesministerium für Wirtschaft und Energie (BMWi)), Zentrales Innovationsprogramm Mittelstand (ZIM)

PROJECT PARTNERS
Gestalt Robotics, Technische Universität Ilmenau, Institute for Automation and Communication (Ifak), Interlink GmbH (in German), Dorfbewegung Brandenburg (in German), SFXPLAN, Welp Group, Fraunhofer Institute for Telecommunications, Heinrich Hertz Institute, HHI, BdKEP · Bundesverband der Kurier-Express-Post-Dienste e.V. (in German), HHL Leipzig Graduate School of Management, LaLoG LandLogistik GmbH (in German), Kühne Logistics University (KLU), Interessengemeinschaft Ostbahn (IGOB) (in German), AGILIScom AG (in German), Chair of Networked Systems Modeling (CMS) at TU Dresden, WareTex GmbH (in German), STIC, Trapeze, Consulting Engineers for Tourism and Transport Hinrichs

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https://www.autonome-logistik.land

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