

Press release

New means of transport for urban areas

Prototype of a 24/7 smart terminal planned for alternative forms of transport



Kern GmbH is part of the urbANT project, which is currently in the concept phase. This involves the design of a 24/7 terminal that will be specially adapted for this pilot project: For transport of heavy goods or supermarket purchases, the car is still the first choice in urban areas. In the urbANT project, the partners are working on the development of an urban, automated, user-oriented transport platform that is intended to be an alternative to the use of cars in city centres. The consequences are obvious: relief of existing infrastructures and reduction of traffic related pollution and noise emissions.

Specifically, this involves the development, production and testing of three individual, electrically driven micro mobility devices. In particular, these should allow pedestrians to carry heavy and large volume goods in safety and comfort, whether they are making private purchases or delivering parcels and packages.

On the one hand, the so called micro-mobile should be able to follow the users automatically, and on the other hand, it should have the potential for fully automated use without a human driver. Automated parcel delivery is also possible using a micro parcel station. At this point Kern GmbH contributes its expertise with of 24/7 smart terminals. This form of secure transfer also allows, for example, the transport of valuables. It is planned to develop a prototype for this purpose, which includes the functions of the 24/7 terminal.

Behind the project is a consortium of ten organisations and two associated partners. It is coordinated by the Institute of Automotive Engineering (ika) at RWTH Aachen University and is supported by the following partners:

Institute for Technology and the Individual (iTec) of the RWTH Aachen University, Ford-Werke GmbH, Institute for Corporate Cybernetics e.V., Innovationsmanufaktur GmbH, German Institute for textile and fibre research, easy2Cool GmbH, BE-Power GmbH, neomesh GmbH as well as the Federal Republic of Germany (represented by the Bundesanstalt für Straßenwesen (BASt)). The mentioned BMBF is our funding organisation.

Project partner:

In addition to UPS, Kern GmbH - as an active associated project partner - contributes to the joint project by taking on its own areas of responsibility and subtasks.

Supported by:

The project on which this report is based was funded by the Federal Ministry of Education and Research under the funding code 16SV7919. The author is responsible for the content of this publication.

24/7 Smart Terminals

The 24/7 Smart Terminals offer a wide range of solutions in the logistics sector. Behind this is a clever system consisting of automated parcel compartments equipped with sensors. One of the main features is the safe and punctual provision of goods. The Smart Terminals can also be the core of so-called hub solutions to collect goods at central locations and then transport them in bundles to their destination. The 24/7 Smart Terminals are already being used successfully in companies, local authorities, housing association projects and in retail.

kern

Contact

Kern AG
Hünigenstrasse 16
CH-3510 Konolfingen

Phone +41 31 790 35 35

info.switzerland@kernworld.com
www.smart-terminal24.com
www.kernworld.com