

CARGOCAP

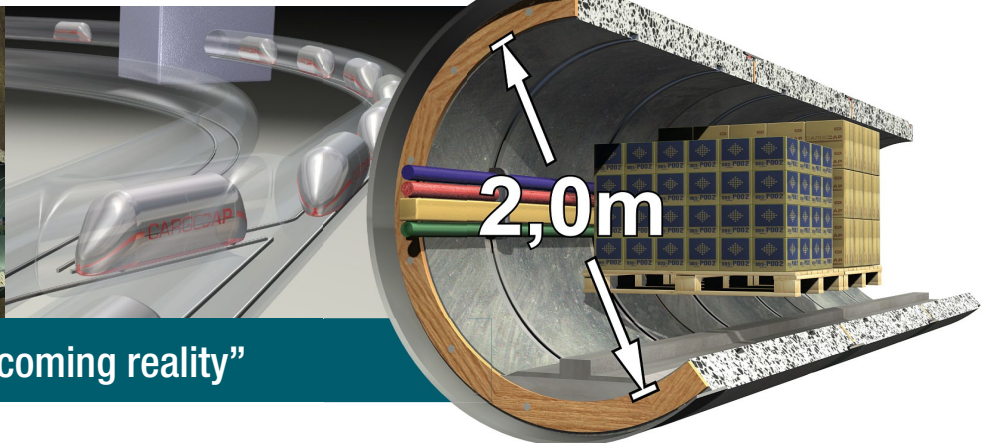
the 5th transportation alternative
for the transport
of goods



CargoCap is the 5th transportation alternative to the conventional systems of road, rail, air and water. It is a safe and economical way to carry goods quickly and on time in congested urban areas by underground transportation pipelines.

This innovative concept is the outcome of the interdisciplinary collaboration in research and development at the Ruhr University of Bochum under the direction of Prof. Dr.-Ing. Dietrich Stein supported by the current

Ministry of Innovation, Science, Research and Technology of the State of North Rhine-Westphalia. Transportation as such is effected on the basis of individual, "intelligent" vehicles – the Caps. The system is independent of aboveground traffic congestion and weather conditions. Each Cap is designed for the transportation of two euro-pallets, which represent the majority of the general inner-European cargo transportation, and can thus be directed through pipelines with a diameter of 2.0 m.



"A great vision is becoming reality"

CARGOCAP

Engineers of the Ruhr University of Bochum (RUB) led by Prof. Dr.-Ing. Gerhard Wagner and Dr.-Ing. Jan Scholten have been running a 160 m model test track on the scale of 1:2 since 2006.

The main task will be the investigation of the driving dynamics of the vehicles that run in virtual vehicle compounds at specified distances. Moreover, another huge research field is the control and supervision strategy for the caps and the overall transportation system as well as the newly developed switch construction.

SEW-EURODRIVE, known as one of the leading companies in the field of drive systems and components, supports the project in that it provides the drive and control components for the Caps as well as a maintenance-free, non-contact energy transfer system that supplies the vehicles with energy by means of electromagnetic induction via an air gap. The non-contact and wearless communication between the vehicles and the track is realised by an industrial WirelessLAN-system.

Germany Land of Ideas



CargoCap was awarded "Selected Landmark" by the initiative "Germany – Land of Ideas" (www.land-of-ideas.org).



CargoCap belongs to the „100 products of the future - groundbreaking ideas that will change our lives“

Please find further information
on the following website:

www.cargocap.com

CargoCap GmbH
Konrad-Zuse-Str. 6
44801 Bochum
GERMANY

Phone: +49 234 5167-0
Fax: +49 234 5167-109
E-mail: office@stein.de
Internet: <http://www.cargocap.com>