
Project Partners

The following companies and research institutions are participating in the project:




Contact

The project is coordinated by:


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ISI-WALK

Intelligent interfaces
in versatile supply chains



 www.isi-walk.de/en



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Intelligent interfaces in versatile supply chains

ISI-WALK

ISI-WALK is a research project funded by the German Federal Ministry of Education and Research and supervised by Projektraeger Karlsruhe (PTKA). The abbreviation ISI-WALK stands for "Intelligente Schnittstellen in wandlungsfahigen Lieferketten" which translates into "intelligent interfaces in versatile supply chains".

The three-year project runs from July 1th, 2010 until June 30th, 2013. Project partners include numerous companies and research institutions, e.g. Continental, Mahle, and Jungheinrich. The results of the research project are to be made available to the participating companies and thus also to a large number of customers and suppliers.

Modern day supply chains

Supply chains are becoming increasingly fragmented. Due to sudden fluctuations caused by a lower or higher demand, companies often have to respond spontaneously. They e.g. have to provide additional room for storage.

For reasons of efficiency, nowadays most stores are automatized. While efficiency grows with increasing automation, flexibility decreases.

This problem can be solved by a storage system that gets independently and adapts to new situations when necessary.



Objectives & benefits

Simultaneously to human cognitive skills, intelligent transport and storage systems are to be developed in the project. These systems shall not only recognize their environment but also draw conclusions, acquire knowledge, and communicate information to IT systems.

The project objectives are to ...

- design versatile transport and storage systems
- develop versatile IT systems in supply chains
- work out methods for planning and evaluating of adaptability in supply chains.

These objectives are implemented using the example of storage and outsourcing processes with industrial trucks.



Working committee

To guarantee a mutual exchange of experience between participating partners and other companies throughout the project, a working committee has been established. Every company interested in participating can join the committee.

The working committee addresses developers of optical technologies and manufacturing companies, using optical technologies or working in an industry requiring high flexibility.

The working committee is coordinated by IPH. Information, e.g. concerning meetings, are announced on www.isi-walk.de/en.

