

Transport Research Centre (CDV)

Transport Research Centre (CDV), is a **public research institution**, established upon Act. No 341/2005 Coll., and the only research institution within the Ministry of Transport. The institution was established on 1 January 1993 as a legal successor of Czech branches of that time Federal Transport Research Institute in Žilina. CDV follows activities which started in 1954, thus having longer than **60-year tradition**.

With its research focus, Transport Research Centre covers key needs of transport development in the Czech Republic, at national, regional and local levels.

It deals with key fields, such as road safety, technology of construction, maintenance, repairs and reconstructions of transport infrastructure, including geotechnical aspects and diagnostics of transport structures. Furthermore, it deals with impacts of transport and its infrastructure on the environment, transport economics, multimodal transport, traffic psychology, traffic education,

transport demand modelling, management systems, geographic information systems, check-in and parking systems, and telematic systems.

In addition, it focuses on **smart mobility and new technologies**, such as autonomous systems, hyperloop and other challenges of **transport for future**.



Technology Transfer Office in Transport Research Centre

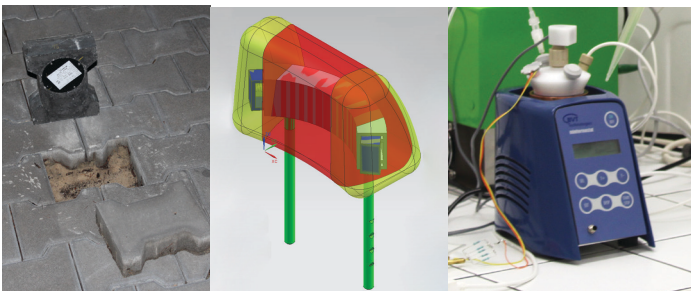
There are various ways to directly apply the outcomes from performed research into practice. Technology Transfer Office plays an important role here. Its task is **effective commercialization of research results** in all fields of transport, open new research and commercial opportunities and conditions to establish effective cooperation with potential partners and application sector.

TTO is a key CDV tool for commercializing research results. Since 2017, a strong team has been gradually built up, creating opportunities and conditions for establishing cooperation with potential partners in applying research results in practice.

TTO currently cooperates with many representatives of universities, public institutions, and companies, e.g. from Poland, Vietnam, Ireland and other countries. A number of CDV research results have already found their utilization in many application partners due to TTO's work.

Transport and Logistic 2019 Fair

Transport Logistic, a major European fair, will be held in Munich, Germany, on **4 – 7 June 2019**. Transport Research Centre is among the Czech exhibitors and its stand can be found with **number 124 in hall A3**.



Visitors of the stand will find information on the activities of the institution, on the Technology Transfer Office under construction. They can learn about inventions, such as a new head rest

developed for better safety at side impacts during road accidents.

We will introduce a smart cobblestone, automatically detecting free parking places. Furthermore, the visitors can examine an AlgaTox device, used for quick detection of the environment contamination on the basis of monitoring the effect on the production of oxygen by green algae.

International Engineering Fair

You can also visit the TTO presentation stand in CDV at **International Engineering Fair (MSV)**, which is held on **7 – 11 October 2019** in the exhibition centre in Brno, the Czech Republic. MSV is **the most important industrial fair in Central Europe**, with the attendance of more than 1,600 exhibitors and 80,000 visitors. Over 50 % exhibitors and 10 % visitors come from abroad.

Intellectual property offer

People interested in CDV's intellectual property products, such as methodologies, software, research articles and studies, which were main or secondary outcomes of contracts and research conducted by CDV, can use a recently launched e-shop at <https://www.shopcdv.cz/cs>. Selected intellectual property products are free to download.

Plans for the future

In 2020 the Technology Transfer Office team from CDV will host the 8th year of the National Transfer Conference. The conference will be held in Brno and the programme will be really varied. Czech as well as foreign presenters will share their experience with the Technology Transfer Centre.

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