

Cement as a raw material

Cement produced from mined limestone is a natural as well as easily recyclable building material. Slovak cement, which enjoys a tradition of over 130 years, is produced from local material and gives jobs to local people directly and also indirectly via the supply chain. After the implementation of new systems, the production processes are much more ecologically friendly and they have fewer negative impacts on the environment than in the past. Moreover, cement plants utilise alternative fuels, and thus directly contribute towards a more environmentally friendly industry.

Question for **Martin Kebísek,** president of the Slovak Association of Cement Producers

"Our mission is to continuously focus on the quality of cement-based building materials."

What is the main mission of the Association?

ZVC SR represents three producers of cement and clinker which all significantly contribute to the top quality of Slovak cement-containing building materials. As an independent association, it plays an important role as a co-creator of the whole industry. The information exchange and mutual interconnection of the members is the perfect base for the wide scope of activities of the association, which is trying to secure sustainable development.

The association has defined for itself three main areas of cooperation:

- · making the industry environmentally friendly by reducing the carbon footprint and by the related utilisation of alternative fuels,
- establishing norms and adjusting them to the actual needs of concrete producers and building companies, bearing in mind sustainability within the building industry,
- cooperation with other interest groups in the fields of building industry and industry in general.



Slovak cement in a **nutshell**

Turnover million EUR

Average annual investment value

million EUR

Total annual consumption of cement

members of 7VC

4 cement plants

28 ready-mix concrete plants

3 gravel pits

4 quarries



Cement kiln heat exchanger



WE TAKE CARE...

The ambition of our members is not only to be a considerable source of employment in the regions where we are located, but also to be trustworthy local partners who endeavour to have an open and constructive dialogue with our external as well as internal partners. We constantly try to develop good relations with state authorities, local municipalities and the public, and we trulu want to be a good neighbour and caring employer.

Via activities and funds from our members. such as the grant programme Our Rohožník (Náš Rohožník), Green education fund, (Zelený vzdelávací fond) CEMMAC Fund (Fond CEMMAC) and the Cementár educational centre, the Association of cement producers focuses its attention especially on the support of educational, cultural and sport activities for its employees. The association also supports local projects which aim to create better conditions for the development of children and youth, including socially disadvantaged groups, in order to bring improvements to the educational sustem and contribute to active environmental protection, safety or other forms of support of community development.

Besides systematic, transparent support via grant programmes and funds, the cement plants also support the surrounding municipalities directly, for example by building a multisport area with a tennis centre or a football stadium. Building materials from the cement plants have been used for the building of elementary schools, preschools, pavements and cultural centres in the local communities. Positive feedback from the public was received after building a pilgrimage point in the quarry of the cement plant on Butkov hill. This point was created by the Ladce cement plant with the support of the AGAPA foundation, and it comprises an original artwork embodying timeless values. Helping the communities, where they are located, is one the most important values of our members.

Slovak cement in a **nutshell**







CRH (Slovensko), as a joint stock company, is a member of CRH group, with its headquarters in Ireland, which in August 2015 acquired the assets of the company Holcim (Slovensko) a.s.. The company offers its products and services within the North Danube region – in Austria, Hungary and Slovakia, where it is the leading manufacturer and supplier of building materials and related services. White cement, which has a 40-year tradition in the Rohožník cement plant, is a unique product in Central Europe.

The cement plant Považská cementáreň, a. s. Ladce is the oldest cement plant in Slovakia. This cement plant has become one of the most modern in Central Europe thanks to the execution of significant investments at the site. The amount of quality limestone resources available at the quarry on Butkov hill means a competitive advantage and suggests long-term cement production in Ladce.

The cement plant as it is known in its current form was founded in 1929. However, the first clinker coming from the local quarry wasn't burned until 1895. The founder of the cement plant was the Italian businessman Giovanni Batista Pisetta. The cement plant in the town Horné Srnie, which was a state-owned company, was converted to the joint-stock company CEMMAC in 1992.

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Number of employees:	Number of employees: 3/3	Number of employees:	194
Turnover in mil. EUR: 162,	Turnover in mil. EUR: 56	Turnover in mil. EUR:	33,4
Cement plants:	Cement plants:	Cement plants:	
Ready-mix Q	Ready-mix 🔘	Ready-mix	
Concrete plants:	Concrete plants:	Concrete plants:	
Gravel pits:	Quarries:	Quarries:]'
Ouarries:			







WE CARE ABOUT THE ENVIRONMENT

Protecting the environment and securing its sustainability is the priority of every responsible cement producer. This is why we consistently seek solutions to help reduce the impacts of cement production on the environment as well as to minimise the depletion of natural resources.

All the members of the ZVC respect and act in accordance with the main principles and criteria of the national strategy for sustainable development. We are successfully minimising the negative impacts of the production processes on the environment through continuous modernisation and investments into new technology. The cement plants have long been using waste as an alternative fuel. Specifically, this entails alternative fuels consisting mainly of plastic, paper, textile and wood as well as very fine fraction alternative fuels based on polyurethane, tires and waste created as a side product of the production processes in different industries. By using these alternative fuels, we have achieved significant savings in terms of natural resources and financial resources while reducina CO2 emissions.

The cement plants also support environmental education via the Green education fund (Zelený vzdelávací fond) grant programme, which was established under the auspices of the Ministry of the environment of the Slovak Republic, and where CRH is the only golden partner for the Ministry.



ZELENÝ GREEN VZDELÁVACÍ EDUCATION FOND FUND

In the area of long-term sustainability, we focus on the following key topics:

- development of innovative solutions within our sustainable product portfolio
- mining of raw material locally and responsibly
- reducing CO2 emissions and dealing with risks caused by climate change
- reducing energy consumption and maximising the utilisation of recycled resources
- close cooperation with local communities
- applying a strict code of business conduct
- safety for employees at the workplace and creating long-term stable jobs

The Konopiská nature preserve, located near Rohožník, which was created by re-cultivation of the former clay quarry.







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REPUBLIKOVÁ ÚNIA

ZAMESTNÁVATEĽOV

The National Union of Employers



Association of construction entrepreneurs of Slovak republic

ZVC is a holder of ISO certificates:





