



Rene Cechmanek

Deputy for Foreign Affairs

2 mil.

Research Institute for Building Materials

<http://www.vustah.cz>

Bilateral Meetings

- 14:00p.m. - 17:00p.m

Description

Research Institute for Building Materials has been working in a sphere of building materials and related problematic. Our experimental activities are oriented to the sphere of: • inorganic bonded materials (lime, cement and others), • lightweight concrete, artificial aggregate production, • concrete mixtures for specialized purposes, • composite materials, solidificates, etc. Significant activity is processing and incorporating of wastes (ashes and fly-ashes from coal combustion or fluid combustion and other industrial wastes) to the different types of building materials. Main subject of our activities is testing on customer order in these areas: • Physical-mechanical examination on concrete, composite materials, mortars, thermal-insulating materials; physical properties of aggregates • Verifying of additives and admixtures for building material production (e.g. pozzolanic reactivity, isoperibolic calorimetry) • Simulation of building material production by means of hydro-thermal hardening or cold-process • Durability testing of building materials by means of various methods (conditioning chamber, equipment for simulation of sun radiation and water sprinkling) with relation to ecotoxicity examination Research Institute for Building Materials organizes the international conference Ecology and new building materials and products, seminars on cement and lime.

Organization Type

Other, Company

Organization Size

51-100

Founding Year

1946

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Country

Czech Republic

City

Brno, Hnevkovskeho 30/65 [Google map](#)

Areas of Activities

Environmental Industry

Research and Development, Project Partnership

Offer

Critical infrastructure

On 1st January 2014, a new research and development centre focusing on increasing the safety of citizens, protection of critical infrastructure, defence and national security was established. The activities include research, development and application of advance materials, testing procedures and connected technologies from the field of blast and ballistic protection. The centre associates 9 research and commercial organizations and therefore creates basis for new high quality materials and products development and their following application on the market both in the Czech Republic, and abroad.

The research and development activities can be divided into four branches:

- Advanced materials
- Security of citizens and critical infrastructure
- Defence and national security
- Testing and simulation

Cooperation Offered

1. Technical co-operation
2. Other

Cooperation Requested

1. Technical co-operation
2. Other

Offer

Waste treatment

Research Institute for Building Materials offers cooperation in the area of research and development in environmental science and waste treatment, design and verification of waste utilization in the production of building materials and also in other areas, technological and ecological suitability tests of products and materials based on wastes, pilot tests, testing at customer, marketing and economic analyses

Cooperation Offered

1. Technical co-operation
2. Other

Cooperation Requested

1. Technical co-operation
2. Other