

The Center for Collective Usage “Building Innovation” was established in 2010 as a result of transforming the educational, research and production center of innovations. It aims at enabling the researchers to use the educational and scientific equipment of the Southern Federal University, as well as effectively providing scientific, methodological, organizational and logistical support for research, design and technological works in architecture, construction and mineral industry.

CCU "Building Innovation" has the modern testing equipment that meets the requirements of the metrological control; it allows testing which complies with the entire range of requirements of the All-Union State Standard specification and other regulatory documents, both under laboratory conditions and on site.

The main areas of science and innovation activity:

- Carrying out the scientific research in the field of mineral raw materials, building materials and structures;
- Conducting the quality assessment of raw and building materials, products and constructions by both direct methods and nondestructive testing;
- Developing the regulatory, scientific and technical documents in the field of the building materials and constructions;
- Developing the design and technological documents for the building materials and constructions, as well as the technology of their manufacturing in pilot-scale and industrial-scale production;
- Examination and diagnostics of the technical conditions of buildings, structures and heritage assets, assessment of their loading-carrying ability, development of solution for the repair, strengthening or restoration through non-destructive methods;
- Examination and conducting of quality assessment of the construction and installation works, materials and structures;
- Execution of an examination of buildings and structures.

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