



IKS INSTITUT KIRILO SAVIĆ

Technical Systems and Environmental Protection

**Our Competence
meets Your Needs.**

Research • Development • Field & Lab Testing • Designing

Technical Systems and Environmental Protection

Established in 1954 as a development section of Yugoslav Railways, the Institute "Kirilo Savic" a.d.* (* joint stock company) is today a research and development institute whose primary activities are based on design and development of various technical systems, with the aim of ensuring their reliability, safety and effectiveness.

By taking over the ownership by the Republic of Serbia on April 1st, 2009, the Republic of Serbia Government exercises incorporating, i.e. managing rights amounting to 96%, whereas the Institute small shareholders own 4% of the ownership interest.

The Institute activities are mostly related to the fields of mechanical engineering, energetics, communications technology, traffic and transport and municipal infrastructure. Constant increase of the environmental protection importance and ubiquitous tendency of regulative bodies, institutions and companies at the global and national level, aimed at its preservation, have contributed to the increase of the number of the Institute's activities in these fields during the last two decades. The Institute experts are more involved in the projects dealing with energetic efficiency and environmental protection, with special emphasis on the projects of water supply and purification of wastewaters and regional landfills.

Activities

The Institute "Kirilo Savic" is accredited by the Ministry of Science and Technological Development for performing scientific and research activities of general interest as research and development institute in the field of engineering and technical sciences.

Activities of the "Kirilo Savic" R&D Institute:

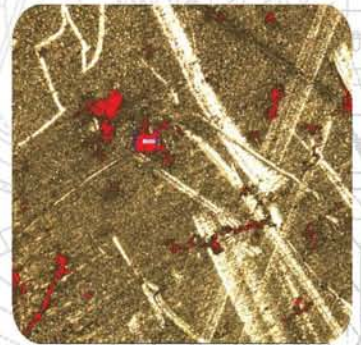
- Research in the field of railway engineering and traffic;
- Research in the field of telecommunications, energetics, occupational safety and health;
- Research in the field of civil engineering activities and environmental protection;
- Research in the field of chemistry, metallurgy, and welding technology;
- Steel-concrete structures testing and construction supervision.

Human resources

- 140 full-time employees;
- 87 employees with university degree, 52 of which researchers;
- 9 scientific researchers (Doctors of Philosophy having the title of scientist or university professor);
- 15 Masters of Science elected researchers;
- 35 employees holding personal licence of responsible designer;
- 16 employees holding personal licence of responsible contracting engineer.

Laboratories

There are two laboratories functioning within the Institute, accredited by our national accreditation body as per ISO 17025:2006 standard. These include accredited laboratory for testing railway vehicles, the IKS being the only institute in the country owning accredited laboratory of this kind (mechanical testing of passenger and freight cars, locomotives and motor trains, mechanical testing of passenger and freight cars) and accredited laboratory for material testing (non-destructive testing and physical and mechanical tests).



The "Kirilo Savic" Institute

is certified as per SRPS ISO 9001:2008 standard by IQNet for entire scope of its activities. The "Kirilo Savic" Institute is authorized by the Ministry of Infrastructure for design of technical documentation in the area of civil engineering, construction of telecommunication networks and systems in the public railway infrastructures and for technical supervision of the railway vehicles prior to their release for use in transport. The Institute is also authorized by the Ministry of Environment for measuring the noise level and by the Ministry of Labor and Social Policy for performing the activities of occupational safety and protection and conducting the inspection and testing of equipment for safety and protection at work.

Projects

Being an accredited research and development institute, the IKS manages or participates in a large number of fundamental research projects (project of electromagnetic compatibility physics of electromaterials and components and project of physical chemistry of dynamic states and structures of unbalanced systems – from monotonous to oscillatory evolution and chaos), and projects in the field of technological development, sponsored by the Ministry of Science and Technological Development, in various fields of engineering (thermotechnics, material research, ecology, in the field of mechanical engineering where researching is performed in the field of diagnosis and monitoring of error propagation in the rails, in order to increase the safety and achieve the EU methodology harmonization). The Institute participates in the infrastructure development and advancement for conformity assessment as per requests based on the European Union Directives.

The most important projects in which the experts of the Institute are currently taking part are: technical acceptance of works at capital repair and modernization of Batajnica-Golubnici railway of "Serbian Railways", expert supervision of construction of the bridge on the Sava at tip position of Ada Ciganlija in Belgrade, expert supervision of construction of regional sanitary landfill at "Gigos" location in Jagodina, design of Main Projects for regional sanitary landfills in Bijelo Polje and Berane, non-destructive testing of welded joints. In regards to, for example, the Institute Research and Development Center for Mechanical Engineering and Traffic, the activities related to design of Testing Program to be conducted on the passenger trains of "Talgo" Company from Spain, as a part of conformity assessment of these trains with present international regulations are being brought to a close.

Future activities

In the period to follow, the Institute is going to focus its activities on research in the area of civil engineering and environmental protection. However, having in mind the importance of Corridor X construction, special focus will be placed on providing the services for the contractors in the sense of project design, supervision and technical control along Corridor X, in the area of civil engineering, mechanical engineering and traffic and transport. The Institute will aim at verification of the IKS as Notified body for conformity assessment of the products with the EU standards in the conditions of introducing the interoperability of railway traffic. Constant improvement of the research quality in the fields of electric engineering and safety, as well as chemistry, technology and metallurgy has also been planned. The plans of the Institute are also related to the continuous investment in the education of the Institute scientific personnel, and essential objective of the "Kirilo Savic" Institute is providing conditions that would attract even the most eminent experts.





51, Vojvode Stepe Street • 162705 Beograd • Serbia
T: +381 11 397 60 26 • +381 11 246 91 47
www.iks.rs • office@iks.rs