



**PUBLIC SCIENTIFIC RESEARCH INSTITUTION
INSTITUTE FOR PROTECTION AND ECOLOGY
OF THE REPUBLIC OF SRPSKA
BANJA LUKA**

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**COMPANY PROFILE OF
PUBLIC SCIENTIFIC-RESEARCH INSTITUTION
INSTITUTE FOR PROTECTION AND ECOLOGY OF THE REPUBLIC OF
SRPSKA,
BANJA LUKA, REPUBLIC OF SRPSKA, BOSNIA AND HERZEGOVINA**

Public scientific-research institution Institute for Protection and Ecology of the Republic of Srpska is public scientific-research, consulting, project and educational institution in the following fields: safety at work, protection and improvement of quality of working and living environment, people's health protection, work safety, fire protection, risk management and system of quality management. It has been established in 1976. as Institute.

The activity of the Institute is the activity of the general and special social interest that provides accomplishment of rights and obligations of legal and physical persons and the achievement of other statutory interests prescribed by laws in the domain of environmental protection, safety at work and fire protection; as well as it represents a scientific-research and specialized institution in the domain of environmental protection, safety at work, fire protection and related areas, and basic, applied and developmental researches of strategic importance for the Republic of Srpska are conducted in the Institute.

Institute for Protection and Ecology of the Republic of Srpska is a public state institution owned by Ministry of science and technology of the Republic of Srpska, with its own finances and without Government's role in its incomes.

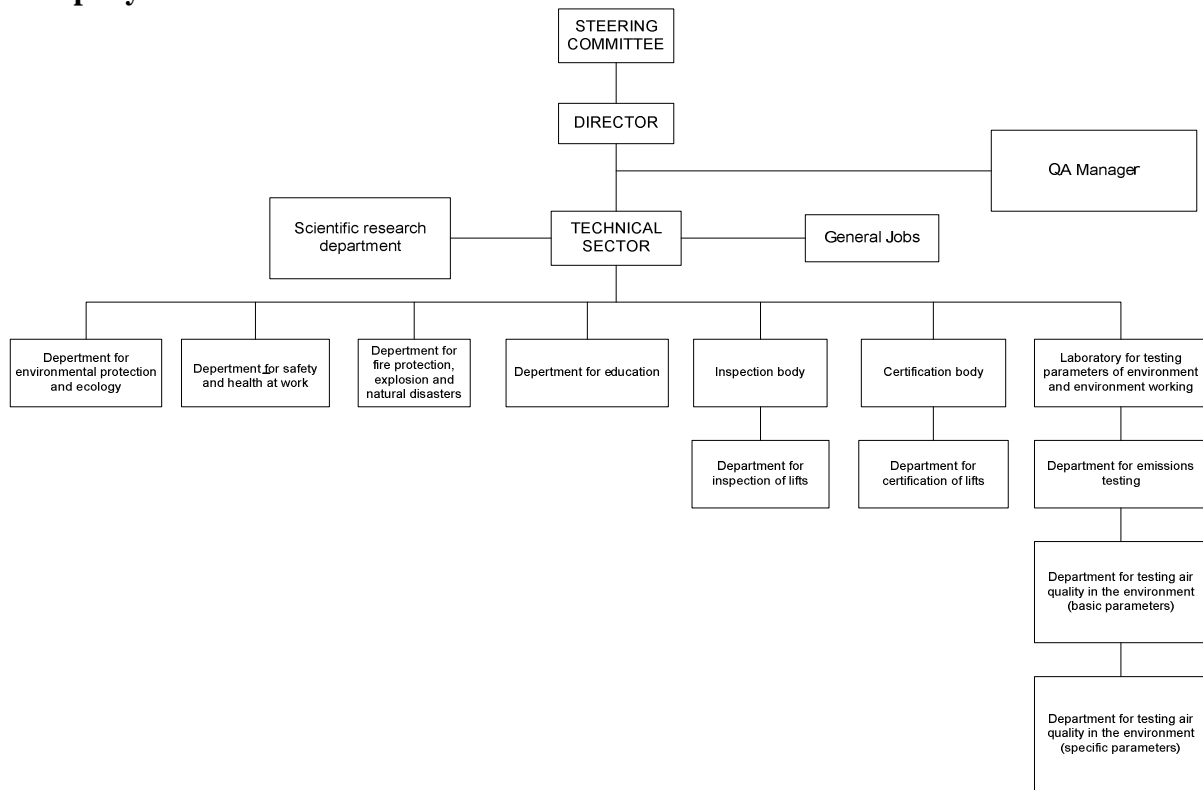
Ownership structure: 100% Government of the Republic of Srpska.

Today, departments of the Institute are:

1. Management
2. Technical Department, within which the act:
 - 2.1. Department of Ecology and Environmental Protection
 - 2.2. Department for Health and Safety at Work
 - 2.3. Department for Fire and Explosion
 - 2.4. Department for Education
 - 2.5. Laboratory for testing parameters and environment and working environment
 - 2.6. Control (inspection) body
 - 2.7. The certification body
3. Scientific Research Department
4. General Jobs



Company structure:



The Department of Ecology and Environment Protection performs the following tasks:

The Preparation of Evidence with the request for issuance of an environmental license, Previous Assessments of the impact on the environment, the Study on the assessment of the environmental impact for all types of facilities and plants – the documentation until obtaining the environmental license.

- The Preparation of Evidence with the request for obtaining a waste management licence, waste management plans for all types of facilities and plants - the documentation until obtaining the waste management licence.
- The Preparation of the Strategic Assessment of the impact on the environment.
- The Preparation of the Chemical Safety Assessment and the Preparation of Chemical Safety Report.
- Vocational trainings for working with dangerous chemicals and insecticides that contain hazardous chemicals.
- Measuring of road-traffic noise, activity noise in manufacturing industry, noise in catering industry, noise of sporting activities and noise of construction sites and construction machinery and mapping (making maps) of municipal noise.
- Inspection of working environment conditions and measuring parameters that have both advantageous and disadvantageous influence on working environment quality (microclimate, lighting, noise and vibrations level, ionizing radiation, concentration of dust and chemical noxiousness, presence of biological noxiousness etc) as requested by customers, and also completing Survey about determining work places with special work conditions.
- it cooperates with highly specialized and reference domestic and international institutions in the implementation of specific programs, projects and tasks .

- it performs vocational and scientific research in the domain of the activity,
- it participates in preparation of strategic documents of the Republic of Srpska in the domain of environmental protection,
- it performs all other activities within the scope of the Institute concerning the environmental protection, air protection, water protection, soil protection, waste management, chemical management, biocide management and so on.

Other of the activities of Department of Ecology and Environmental Protection and Laboratory for testing parameters and environment is:

1. Continuous measuring of immissions of polluting substances in the air (SO₂, NO, NO₂, NO_x, CO, O₃, PM10, soot) in order to achieve systematic analysis and air quality monitoring in the environment.

Institute for the Protection and Ecology of Republic of Srpska has been performing air quality monitoring and control for some time already in Banja Luka and Bijeljina, monitoring. In the Banja Luka and Bijeljina air quality monitoring is being performed by three automatic stations (which are located in adequate areas).

Today, The Institute has two automatic laboratories for air quality monitoring (parameters: SO₂, NO, NO₂, NO_x, CO, O₃, PM10, PM2.5 and possibility of monitoring and meteorological parameters: direction and speed of wind, temperature, pressure and humidity)

2. Occasional measuring of concentrations from emissions of polluting substances that are going into the air from industrial processes and thermoelectric power plants in order to create Register of emissions and Register of air pollutants.
3. Education, giving professional advices and organizing lectures with the aim of popularization and informing the public about the problems related to environmental protection and organizing scientific conferences, seminars and consultations related to environmental protection.
4. Under preparation are also measuring and mapping of communal noise in accordance with European directive 2002/49/EC

Department for Health and Safety at Work:

1. Periodical inspection and examining work means and equipment in order to give usability licenses
2. Control of applied measures of safety at work while projecting, constructing and producing work means and equipment
3. Creating technological projects
4. Inspection and measuring electric and lightning conducting installation of an object
5. Examining conduction of all types of antistatic bases and protective VN equipment

Department for Fire and Explosion Protection performs the following tasks:

- Design of the study and plan fire and explosion protection (Fire Protection),
- Design of the municipal plan of fire protection,
- Design of appendixes of fire and explosion protection,
- Design of the plan of protection and rescue from natural disasters and other ones,

- Design of the operational-tactical plan of firefighting and rescue of people and property,
- Design of the study zone hazardous areas with explosive mixtures of gases and vapors, or danger zones on sites endangered by explosive mixtures of flammable gases, vapors of flammable liquids and explosive dust, electrical installations and equipment for areas potentially endangered by explosive atmospheres (explosive substances, flammable gases, flammable liquids vapors and explosive dusts), systems for smoke removal and heat and et cetera,
- Design of fire protection rulebooks,
- Design of expert opinions in the field of fire protection,
- Cooperation with highly specialized and eminent national and international institutions in the implementation of specific programs, projects and activities
- Performing professional and scientific-research activities in the area of activities,
- Performing service management tasks of the fire protection in companies and institutions, in accordance with laws regulating this area,
- Performing all other activities in the field of fire and explosions, or from the scope of institutes,
- Performing of inspection and testing of hydrants, equipment and fire alarm system, the system for detection of explosive gases and vapors, stationary fire extinguishing systems, anti-panic lighting and fire dampers.

Department for Education deals with:

1. Education of workers in the field of safety at work and fire prevention
2. Work with means of protection
3. Organization of seminars and consultations in the fields of safety at work and fire prevention

Institute's mission is to develop a concept of reliable economy and implementation of the principle of risk management in practice of economy and institutions. Projects and programs are drafted in phases: research - scientific and professional verification of the results - training and innovation of knowledge - consulting - publication of the results.

Institute has 39 employees. We have a team of young and creative researchers, and also a team of well-known and respected scientists, experts and University professors. We are working on our professional improvement both systematically and consistently.

We have successfully accomplished process of projecting and implementation of System of quality management in accordance with international standard ISO 9001:2008, where certification has been done by institution for certifications SGS from Switzerland. Since then, questioning of client's satisfaction is being done by filling certain questionnaires, and the results are satisfactory so far.

Main source of funding is national, secured through services for economy and non-economic organizations and institutions, scientific-research projects, co-financed by Ministry of Science and Technology.

Institute for Protection and Ecology of the Republic of Srpska is opened for external users, and for using human resources and Institute's equipment, as well as for other means of cooperation. All types of cooperation are being carried out - making the studies, strategies, reports, mutual work regarding living and working environments monitoring, organization of scientific conferences, seminars and all other aspects of cooperation in the fields our Institute deals with.

Typical external user (target group) is industry, i.e. economy. The policy to attract new users is promotion and media presentation of the Institute and its results, educational seminars and scientific and expert conferences.

The Institute mainly cooperates with Serbia, the Czech Republic, Romania and Switzerland, as well as with Albania, Bosnia and Herzegovina, Croatia, Macedonia and Montenegro. Among EU countries, the Czech Republic, Germany are main cooperation country partners.

Examples of success stories from cooperation:

Project of polychlorinated biphenyls with Max Planck Institute for Chemistry, Mainz, Germany and Masaryk University, Research Centre for Environmental Chemistry and Ecotoxicology, Brno, the Czech Republic and project financed by EBRD: SEA of River Basins of the Vrbas and Bosna in the Republic of Srpska, Bosnia and Herzegovina, Contract No. C17748/SWI-2007-12-06 with Pöyry Energy Ltd. Zurich Switzerland, Environmental Impact Assessment "Integrated Ecosystems Management of the Neretva and Trebisnjica River Basin Project" (International Bank for Reconstruction and Development (IBRD)) Engineering Design for Wild Dump Remediation in Knezevo (International Bank for Reconstruction and Development (IBRD)), "Support to Air Monitoring Bosnia and Herzegovina" (investor was EU), Enabling activities to facilitate early action on the implementation of the Stockholm Convention on POPs in Bosnia and Herzegovina and many other project, both domestic and foreign, together with many institutions.

Institute for the Protection and Ecology of Republic of Srpska has its own facilities and infrastructure, including laboratories for its activities. It is fully equipped for air monitoring (emissions and immissions), noise and vibrations monitoring in living and working environments, and chemical, biological and physical harmfulness and microclimate in working environment (microclimate, lighting, noise and vibrations level, concentration of dust and chemical noxiousness, presence of biological noxiousness etc). Also, there is equipment for measuring of non-ionizing radiation (ELF and radio-microwave frequencies), and partial equipment for water and soil monitoring, as well as all necessary equipment in the field of inspection and measuring of electric and lightning conducting installation of an object and examining conduction of all types of antistatic bases and protective VN equipment.

Examples of the equipment within the Institute: Noise measurer "Bruel-Kjaer" , Device for dust measurement 151149A MicroDust 880 Intrinsically Safe, producer: CEL Casella England, Gas analyzer IMR 2000/2800 P, Station for air quality monitoring with complete equipment (Thermo Electron corporation), Portable gas analyzer Gasmeter Technologies Gasmeter DX – 4030 etc.

Director

Predrag Ilić,
Associate professor