



IRITEL AD BEOGRAD

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Engineering

IRITEL was founded in 1967. Today, with some 185 highly educated and skilled employees and many years of experience in the field of telecommunications and electronics, IRITEL is a well-established company highly ranked as a major player on the Serbian telecommunications market.

IRITEL has accreditation at Ministry of Science and Technological Development as research and development institute.

IRITEL main business activities are: research, development, design, manufacturing, *engineering*, consulting, maintenance and technical and customer training in the following areas of telecommunications and electronics:

- Digital transmission
- Digital switching
- Digital radio communications
- Power supplies systems

IRITEL is paying great attention to the highest quality and reliability of its products and services, showing its total quality commitment to the benefit of its customers.

IRITEL has a Management System ISO 9001:2008

Telecommunications Engineering

In last 15 years telecommunication engineering is a significant segment of the business in IRITEL.

IRITEL have licence for desing and construction on telecommunication networks and systems in Republic Serbia, Bosnia and Herzegovina.

13 IRITEL associate are certified desing engineers, and 10 are certified construction engineers.

Engineering their own systems and devices, and systems from other manufacturers on the principle of "turnkey".

Transmission systems - engineering

- Project design, technical controls, installation, commissioning and quality testing of optical transmissions systems
- Project design, technical controls, installation, commissioning and quality testing of access transmissions systems
- Operations and maintenance of existing systems, with focus on network management

Switching systems - engineering

IRITEL has a longterm experience in following engineering areas:

- Switching systems projects design
- Telecommunication networks projects design
- Technical control of switching systems and devices projects
- Technical control of switching systems supply devices projects

- Telecommunication networks turnkey solutions (design, building, commissioning)
- Telecommunication devices and networks maintenance
- Project design, installation, commissioning and quality testing of Huawei telecommunications equipment (MSAN, DSLAM, CDMA...)

IRITEL gives services of telecommunication measurements and testing of switching equipment for homologation purposes

Radio communications - engineering

Radio engineering services in public mobile communications networks as well as in wireless access networks cover a wide scope of activities such as:

- Projects of base stations for mobile telecommunications
- Projects of radio-relay links
- Design of wireless access public telecommunication networks (FWA, WLL, WLAN)
- Technical controls of base stations/radio links/ mobile switching centers projects for verification purposes
- Technical examinations of complete communication site implementations as well as of radio stations
- Mounting and commissioning of base stations and radio links
- Mounting and commissioning of broadcasting equipments
- Technical maintenance and repairs of radars
- Complete technical maintenance of radio-networks

References in radio engineering:

- Mounting and commissioning of about 1850 base stations and radio links for mobile telecommunication networks
- Technical examination of mobile communication site implementations and radio stations 5400
- 700 projects of base stations and radio links

References in delivered radio systems and equipments:

- About 50 sophisticated systems for radio surveillance and jamming have been in use
- About 200 TV repeater sites of Radiotelevision of Serbia and other TV stations have been equipped with IRITEL UHF Combiners (diplexers, triplexers, quadriplexers)
- More than 30 radio stations in Serbia have used IRITEL VHF FM radio transmitters (exciters, power amplifiers, stereo coders and RDS coders)

Foreign references:

- 10 HF/VHF/UHF automatic real-time radio signal classifiers delivered for project "Sea eagle"
- HF radio center implementation at Middle East