



ŽELJEZNIČKA
INFRASTRUKTURA
CRNE GORE
AD-PODGORICA



CURRENT AND FUTURE INVESTMENTS IN RAILWAY INFRASTRUCTURE



IDENTITY CARD OF RAILWAY INFRASTRUCTURE JSC - PODGORICA

Joint Stock Company – ownership structure

Railway Infrastructure of Montenegro JSC- Podgorica is a legal entity.

The main activity of the Railway Infrastructure of Montenegro JSC - Podgorica is maintaining the railway infrastructure, organization and regulation of traffic.

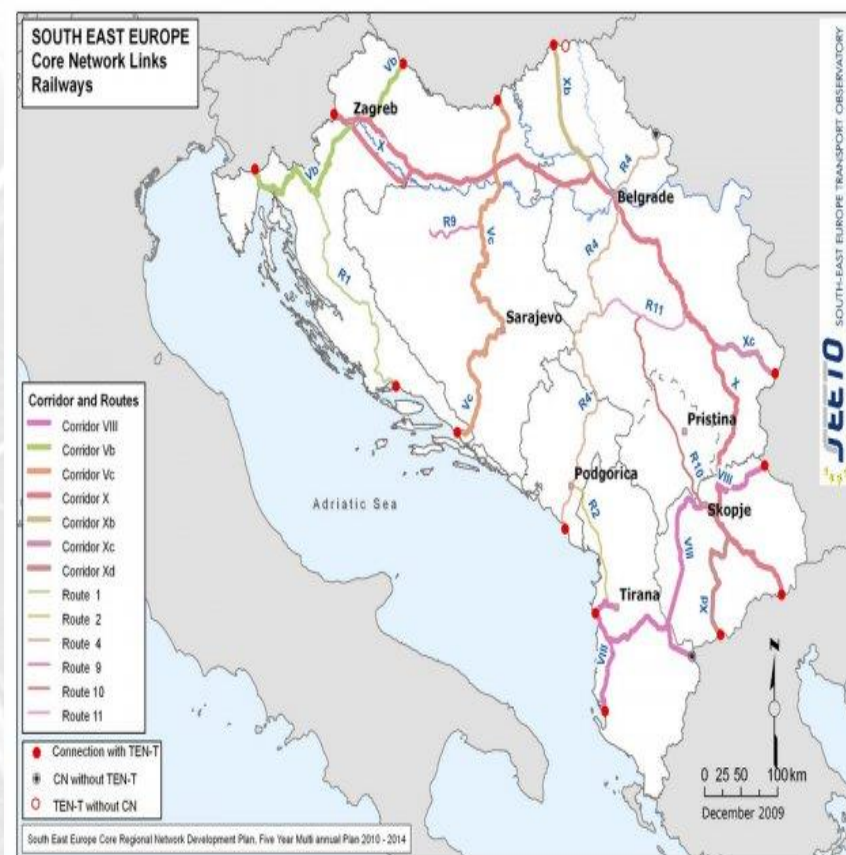
It is a member of **CER** (Community of European Railway and Infrastructure Companies).





STRATEGIC IMPORTANCE

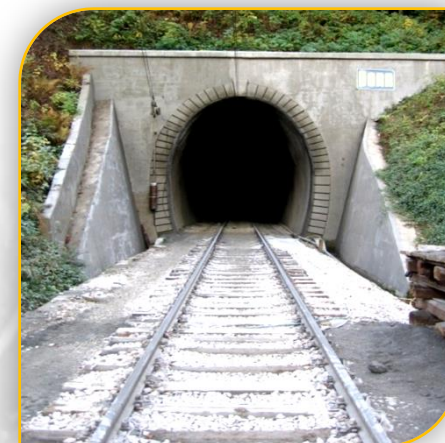
- Railway line Belgrade – Bar is of the great international and regional importance, specially for the development of business with Italy and South East Europe.
- Railway line (Route 4) represents direct link between ports on the Adriatic Sea, the Port of Bar and Belgrade - Pan European Corridor X and VII (river Danube) - connection to the TEN-T, as well as the connection with all the countries of central and southern Europe, given the strategic position of the Serbian capital.





RAILWAY LINE VRBNICA - BAR

- ❖ Part of the international railway line Belgrade - Bar;
- ❖ Length on the territory of Montenegro is 167,1 km;
- ❖ Put into operation in 1976;
- ❖ It is entirely electrified by single phase system 25 kV, 50 Hz;
- ❖ Official places on the line: 9 stations, 8 passing points and 19 stops;
- ❖ Larger stations in this direction are **Bijelo Polje** (7 tracks), **Podgorica** (13 tracks) and **Bar** (15 tracks);
- ❖ The minimum curve radius is 300 meters and the maximum gradient is 25 ‰;
- ❖ The railway line includes:
 - 108 bridges (92 concrete and 16 steel), in a length of 7,9 km
 - 106 tunnels, in a length of 51,5 km
 - 14 galleries, in a length of 392 m
 - 372 culverts under the line
 - 45 km retaining and facing walls





SOURCES OF PROJECTS FINANCING

Since 2006, more significant investments in railway infrastructure are realized through loans and since 2010 through the grants of European Union .

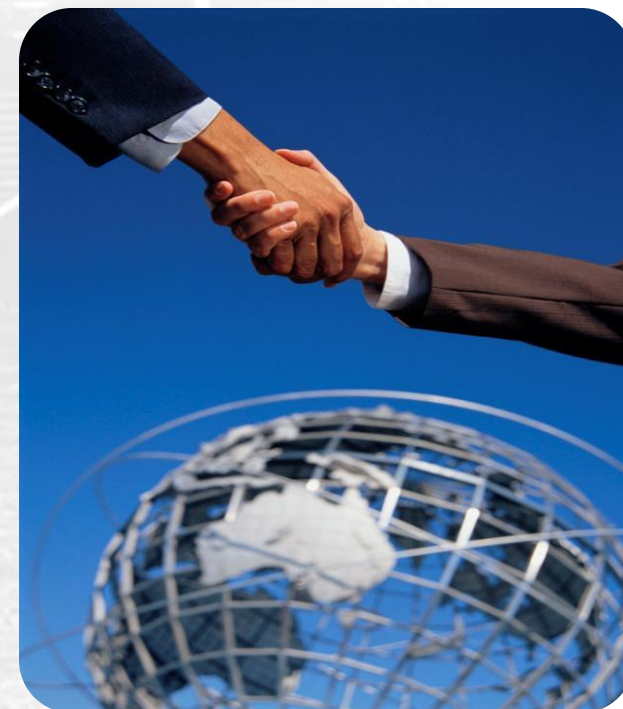
ŽICG / RIOM is user of loans of:

- ❖ European Investment Bank (EIB);
- ❖ European Bank for Reconstruction and Development (EBRD).



ŽICG / RIOM is user of grants :

- ❖ IPA funds
- ❖ WBIF





INVESTMENT ACTIVITIES OF ŽICG/RIOM



Completed investment projects financed by the EIB loan:

- ❖ Overhaul of the superstructure on the section Bijelo Polje – Kruševo – Mijatovo Kolo
- ❖ Electrification of VI and VII tracks in Bijelo Polje
- ❖ Development of Main Design for rehabilitation of bridge Trebaljevo and documentations (2 contracts)
- ❖ Development of Main Design for rehabilitation of 15 steel bridges and revision of documentation

Investment projects financed by EIB loans which are in progress or in the final stage:

- ❖ Execution of works on the rehabilitation of bridge Trebaljevo, with Supervision under FIDIC
- ❖ Emergency measures rehabilitation works of 4 bridges, with Supervision under FIDIC
- ❖ Execution of works on the rehabilitation of bridge Morača, with Supervision under FIDIC





INVESTMENT ACTIVITIES OF ŽICG/RIoM

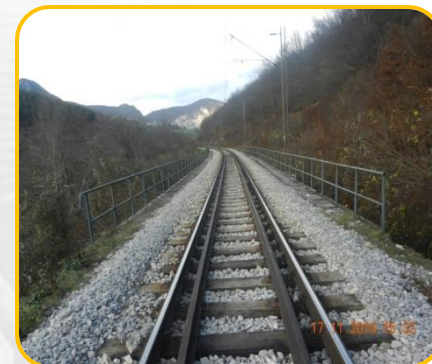


Completed investment projects financed by EBRD loan:

- ❖ Rehabilitation of 3 landslides
- ❖ Rehabilitation of 4 tunnels
- ❖ Rehabilitation of 6 slopes and 3 galleries
- ❖ Rehabilitation of tunnel “Ostrovica”

Investment projects financed by the EBRD loan in progress :

- ❖ Overhaul of the superstructure on section “Kolašin - Kos”
- ❖ Rehabilitation of 3 tunnels: Tunnels no. 187; 190; 193.





INVESTMENT ACTIVITIES OF ŽICG/RioM



Completed investment projects financed by IPA funds:

- ❖ Development of technical documentation of overhaul of superstructure Kolašin – Bar, including rehabilitation designs of 4 tunnels and electrical engineering projects (IPA 07)
- ❖ Overhaul of superstructure on the section Trebaljevo – Kolašin (IPA 09)
- ❖ Overhaul of superstructure on the section Mijatovo Kolo – Mojkovac (IPA 10)
- ❖ Overhaul of station tracks in station Trebešica (IPA 10)
- ❖ Development of technical documentation – Feasibility study and preliminary designs for the rehabilitation of 12 slopes (IPA 11)



Investment projects financed by IPA funds that are in progress:

- ❖ Development of technical documentation and construction of new traction substation Trebešica

Investment projects financed by IPA funds that are at the stage of tender:

- ❖ Overhaul of superstructure on the section “Virpazar – Sutomore” in tunnel Sozina
- ❖ Overhaul of superstructure on the section “Kos – Trebešica”

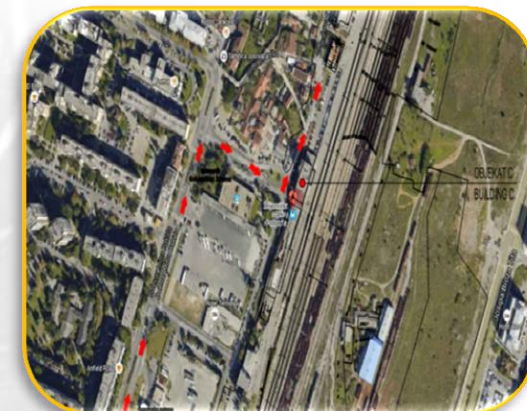




INVESTMENT ACTIVITIES OF ŽICG/RIOI

Completed investment projects financed by WBIF:

- ❖ Inspection of 91 concrete bridges, development of Study on condition with proposal of measures for urgent rehabilitation (WBIF, call X)
- ❖ Development of the Main design of renewal of interlocking system in station Podgorica (WBIF, call X)
- ❖ Inspection and Study of 106 tunnels



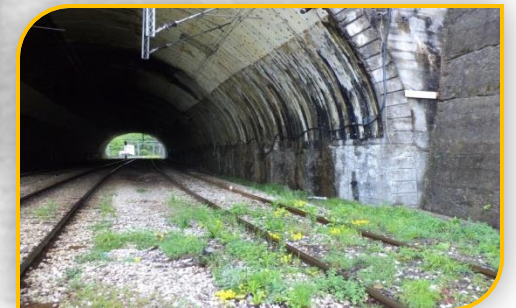
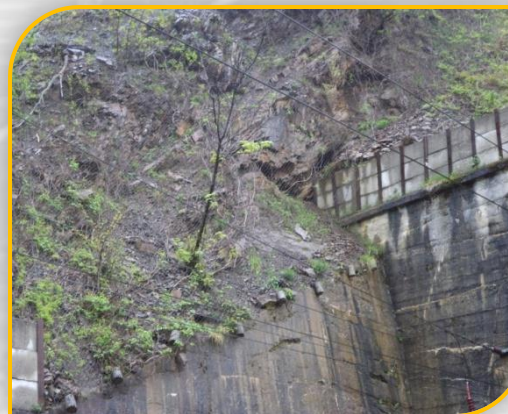


INVESTMENT ACTIVITIES OF ŽICG/RIO M



Future investments from loans 20+20:

- ❖ Replacement of signal – safety devices in station Podgorica (works)
- ❖ Rehabilitation of concrete bridges by priority
- ❖ Rehabilitation of priority slopes
- ❖ Rehabilitation of priority tunnels





OBJECTIVES OF INVESTMENT IN RAILWAY INFRASTRUCTURE OF MONTENEGRO



EXPECTED RESULTS OF MODERNIZATION

- ❖ Modernization and reconstruction of the railway line is in accordance with European and major international railway lines
- ❖ Improve traffic safety, increase the speed of trains and reduce journey time
- ❖ Achieve interoperability of the railway line along Corridor X.