



IRD ENGINEERING s.r.l.

CORPORATE PROFILE



October 2023

Quick Facts About Us

Our Origins

IRD Engineering was set up in 2000 aiming at the provision of engineering services during the reconstruction efforts after the conflicts that had taken place in the Western Balkans. The accumulated expertise was very soon demanded in other regions and the company expanded its presence into Northeast Europe, the Caucasus, and Central Asia. Since its origins, IRD Engineering has participated in hundreds of assignments worldwide, with a total construction value of more than €40 billion.



Our Staff

IRD Engineering is composed by a committed multidisciplinary team of more than 400 civil engineers, project managers, electrical and mechanical engineers, architects, urban and transport planners, design-and-build experts, economists and financial specialists, and legal and procurement experts. Our people is our main asset.



Our Business

IRD Engineering is a leading Italian engineering consultancy offering comprehensive solutions worldwide for a wide variety of infrastructure schemes. Totally independent from any construction or industrial group, we provide planning, design, supervision, and technical assistance services, covering all phases during a project implementation.



Our Clients

IRD Engineering has an extensive track record in the provision of consulting and engineering services for public and multilateral institutions, and also for private organizations. To name a few, we currently have important assignments under implementation for the EU, the EBRD, the EIB, the ADB, NATO, the WB, the UN and the AfDB.



IRD Engineering is a multinational consulting and engineering services firm that supports solving challenging infrastructure and development tasks to a wide variety of clients.

We provide tailored services to meet the precise requirements of each project, including:

- Procurement support
- Project management
- Master planning
- Feasibility studies
- Topographical, Geotechnical and Hydrological surveys
- Civil, Structural, Mechanical and Electrical Engineering Services
- Architectural Services
- Blast Design and Seismic Analysis
- Environmental / Sustainability Assessments
- Cost Estimation / Quantity Surveying
- Technical Peer Review
- Site Supervision

IRD Engineering is nowadays ranked among the Top 225 International Design Firms compiled by ENR - Engineering News Record



Rankings and Co-operation with IFIs

IRD Engineering has an extensive track record in the provision of consulting and engineering services in projects financed by the most important International Financial Institutions: the EU, the EBRD, the EIB, the ADB, NATO, the WB, the UN and the AfDB.

In 2022 IRD Engineering led the ranking of Italian service providers working in projects funded by the Asian Development Bank, with an overall \$30.3 million in inked contracts in the previous 5 years. This was quite remarkable considering that since the year 1966, only 310 contracts worth \$235.19 million had been awarded to consulting and engineering companies established in Italy.

In 2023 IRD Engineering was ranked 127th in terms of revenues outside the domestic market in the “ENR Top 225 International Design Firms” list elaborated by Engineering News Record. This is the result of all our activities in 25 countries in Eastern and Central Europe, Caucasus, Asia, and Africa, and a solid proof of the technical distinction delivered by our employees.



Where We Operate



Head Office

- IRD Engineering (Italy)

Subsidiary Companies

- IRD Serbia
- IRD Moldova
- IRD Georgia
- IRD Bosnia and Herzegovina

Branches

- IRD Branch in Montenegro
- IRD Branch in Albania
- IRD Branch in Macedonia
- IRD Branch in Georgia
- IRD Branch in Armenia
- IRD Branch in Azerbaijan
- IRD Branch in Ukraine
- IRD Branch in Romania
- IRD Branch in Kazakhstan
- IRD Branch in Uzbekistan
- IRD Branch in Afghanistan
- IRD Branch in Libya

Project Offices

- 15 additional offices in Europe, Asia, and Africa

400 +
Employees and
Associated Consultants

80 +
Assignments under
Implementation

17
Branches and
Subsidiaries

25 +
Countries of
Operation

Roads and Highways Infrastructure



Railway Infrastructure



Security and Defense Infrastructure



Architecture and Building Management



Environmental Engineering



Institutional Strengthening and Capacity Building



Certifications and Memberships



IRD Engineering is certified to **ISO 9001:2015 QMS** (Quality Management System), to **ISO 14001:2015 EMS** (Environmental Quality Management), to **ISO 45001:2018** (management systems of Occupational Health and Safety), and to **ISO 37001:2016** (Anti Bribery Management System).

IRD Engineering is a corporate **member of O.I.C.E.** (the Italian Association of Engineering, Architectural, and Technical-Economic Consultancy Organizations), the Italian representative of **EFCA** (the European Federation of Engineering Consultancy Associations), **affiliate of FIDIC** (International Federation of Consulting Engineers), being **fully accredited to perform FIDIC Supervision Services**.

Quality assurance is an integral part of IRD's project implementation and management procedures. Random quality audits are carried out every year to a group of projects being implemented by IRD Engineering and its network of branches and subsidiaries. These allow us implementing corrective measures and extracting conclusions for a continuous improvement in our project management systems.



Proximity, commitment, innovation, honesty, technical excellence...
There are key focus areas for IRD Engineering. We are constantly evolving: in our discerning, our approach, our technologies, and in our systems.



REPRESENTATIVE PROJECTS

Supervision and Legal Transactions Consultant for Construction Works on Corridor VIII and Corridor X-d

North Macedonia

Project Description

The project, of significant national importance, relates to the construction of several strategic motorway sections, which are part of the Pan-European Corridors VIII and Xd.

The overall scheme comprises almost **110 km of dual carriageway motorways** organised in four new sections: Tetovo – Gostivar (17.5 km), Gostivar – Bukojčani (30.3 km), Trebeništa – Struga – Qafasan (21.7 km), and Bitola – Prilep (39.3 km).

IRD's Role

Acting as legal transaction advisor and then supervision activities and administration of the construction contract in accordance with a Modified FIDIC Red Book.

Value of Services: Cca. €22 Million

Total Investment: Cca. €1.3 Billion



Project Management Design and Supervision Consultancy Service for Melamchi Water Supply Project

Nepal



Project Description

This scheme is considered to be the most viable long-term alternative to ease the chronic water shortage situation within the Kathmandu Valley. The project envisages the diversion of Melamchi River waters to the Kathmandu valley by the construction of diversion weir, associated intake works, and a 26.5 Km long diversion tunnel, allowing the transfer of 170 MLD of water.

IRD's Role

Project management support, design and supervision services. Providing all kinds of professional advice by ensuring technically sound designs, a high quality construction, health, safety and environmental management to international standards, and a sound and transparent project execution.

Value of Services: Cca. €2 Million

Contract Administration and Supervision of Construction of the Wastewater Treatment Plant for the City of Skopje

North Macedonia

Project Description

The new plant will treat 51.3 million m³ of domestic raw sewage per year, returning the effluent safely to the receiving environment, significantly reducing pollution levels in the Vardar River.

It will cover nine of the ten municipalities that constitute Skopje with a capacity of 650,000 population equivalent.

IRD's Role

Performing the **duties of the Engineer according to FIDIC Conditions of Contract for Plant and Design-Build, First Edition 1999 (Yellow Book)** and undertaking the approval of the Contractor's designs. Issuing variations and reporting and assessing the claims from Contractors. **Procurement support. Capacity building of water utilities.**

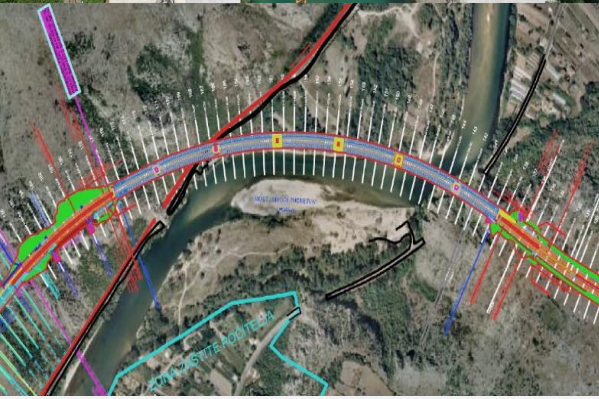
Value of Services: Cca. €3.4 Million

Total Investment: Cca. €137 Million



Supervision of Works on Construction of Motorway on Corridor Vc, Subsection Počitelj - Zvirovići

Bosnia and Herzegovina



Project Description

The Pan-European route Budapest-Osijek-Sarajevo-Ploče (Corridor Vc) has the status of priority infrastructure project in Bosnia and Herzegovina and several loans have been signed with different IFIs in order to finalise its construction.

The assignment, promoted by Motorways of Federation of BH Ltd and financed by the European Investment Bank (EIB), aims at the delivery of works supervision services for the construction of a **10 km-long motorway section, an interchange, and a 980 m-long bridge.**

IRD's Role

Carrying out the duties of "the Engineer" in accordance with FIDIC Conditions of Contract for Construction (Edition 1999).

Value of Services: Cca. €3.8 Million

Total Investment: Cca. €100 Million

Ulaanbaatar Darkhan Road Expansion Project – FIDIC Engineering Supervision Mongolia

Project Description

The Government of Mongolia had received a loan from EBRD to finance the expansion of the existing 204.5 km road from the capital city Ulan Bator to the city of Darkhan. This is one of the country's busiest roads, located on the corridor China – Mongolia – Russia. Currently, the 2 lane road is in a dire state, with at least nine sections characterized by frequent car accidents.

IRD's Role

Supervision services in accordance with FIDIC Conditions of Contract (Red Book), the existing tender documentation, as well as with the relevant local legislation on construction.

Value of Services: Cca. €4.5 Million
Total Investment: Cca. €130 Million



Supervision Services for the Eastern Part of the Pan-European Rail Corridor VIII

Macedonia



Project Description

EBRD-funded project for the construction of a new railway line, as well as the completion of pre-existing works on the Eastern part of the Pan-European Rail Corridor VIII, namely on the railway section between Beljakovce and Kriva Palanka (34 km), as well as the rehabilitation of the section between Kumanovo and Beljakovce (30.8 km).

IRD's Role

Construction supervision services on behalf of the Contracting Authority, performing the functions of the "Engineer" under FIDIC Red Book.

Supervision of all works in accordance with FIDIC Conditions of Contract in these two sections with a total length of 65 kilometers

Value of Services: Cca. €5 Million

Total Investment: Cca. €195 Million

Project Description

The Central Ring Road (CRR) in Moscow is a **road category type IA** with **four lanes** (an upgrade to six lanes shall be decided in due course). Its extension is approximately **105 Km** with an estimated **traffic speed of 140 Km/h**. The section includes **72 bridge structures**, **2 of them over 200 m span**, and **9 interchanges**.

IRD's Role

IRD Engineering was nominated as "Technical Expert", being entrusted to **review and optimize the design documentation**, to perform functions of **Construction Control**, to monitor compliance of the construction with the schedule for the works contract, and to carry out audits of the general contractor's works.

Value of Services: Cca. €14.5 Million

Total Investment: Cca. €1 Billion



Supervision of Works for the Peace Highway (E-80): Section Merosina to Beloljin

Serbia



Project Description

The Highway Nis-Merđare in the Republic of Serbia, also known as the “Peace Highway”, is considered an important step for peace and reconciliation in the Western Balkans. The construction of the new highway will be implemented in three stages. The first stage comprises the construction of approximately **32.7 km of semi-motorway**, from Merosina to Beloljin. The project includes 5 grade-separated interchanges, 16 bridges, 8 overpasses/underpasses, 6 tunnels (with a total length of 2,670 m) and ancillary ITS systems.

IRD's Role

Assuming all the duties and obligations of the Engineer as defined in FIDIC Pink Book and FIDIC Yellow Book.

Value of Services: Cca. €6.8 Million

Total Investment: Cca. €208 Million

Project Description

Construction of 28.2 km of 4-lane highway, including two double tube tunnels above 1 km length, 6 bridges, 2 interchanges, 5 overpasses, 7 underpasses, and all associated earthworks, pavement and drainage works necessary for the completion of the project in accordance with the design and specifications. The project is **part of the Pan-European Corridor X**.

IRD's Role

Site Supervision services on behalf of the Contracting Authority, performing the functions of the "Engineer" under FIDIC Red Book.

Value of Services: Cca. €11 Million
Total Investment: Cca. €210 Million



Supervision of Construction for the Municipal Wastewater Treatment Plants and Collection Systems in Niš

Serbia

Project Description

The project is financed by the European Union and aims at developing wastewater infrastructure in the city of Niš:

- Lot 1: Construction of the WWTP Ciganski Kljuc (286,000 P.E.) and wastewater treatment at WTP Mediana (FIDIC – Yellow Book);
- Lot 2: Construction and rehabilitation of collectors with pumping stations and construction of sewage network (FIDIC (FIDIC – Red Book).

IRD's Role

Performing the **duties of the Engineer (FIDIC Conditions of Contract)** and undertaking the approval of the Contractor's designs. Issuing variations and reporting and assessing the claims from Contractors. **Procurement support. Capacity building of water utilities.**

Value of Services: Cca. €1.6 Million

Technical Assistance for the Modernization of Motorway Management Practices

Azerbaijan

Project Description

Improvement of Azerbaijan motorway network including the **modernization of motorway management practices** and **establishment of a new Motorway Unit** within the Maintenance Department of the AzerRoadService.

IRD's Role


Technical Assistance for the establishment of a Motorway Management Unit and modernization of motorway management practices in Azerbaijan. Support to the establishment of a **performance-based approach** to maintenance and operation. Development of a **Service Level Agreement** between the Motorway Unit and the selected operation and maintenance operators.

Value of Services: Cca. \$1.8 Million



Engineering Services for Water and Sewerage Systems

Albania



Project Description

The objective of the project was to **improve the water and wastewater infrastructure** in a selected group of municipalities in Albania: Construction of 18 km of secondary and tertiary **sewerage systems** in Vlora; construction of a 26 km gravity network, 6 **pumping stations** and 10 km pressure mains in Ksamil; extension of **wastewater treatment plant** in Kavaja, from 25,000 PE to **75,000 PE**, including sludge treatment facilities.

IRD's Role

Elaboration of the **detailed design and tender dossiers** for the construction of the sewerage systems. **Procurement support and supervision of works.**

Value of Services: Cca. €2.9 Million

Project Description

Supervision of construction works on the highway E80, section Prosek-Dimitrovgrad (Corridor Xc), with a total **length of 59.6 km** and including **43 bridges, 4 tunnels, and 3 interchanges**, besides of drainage and ancillary works.

IRD's Role

Supervision of the contractors in all aspects of fulfilment of their obligations, responsibilities and undertakings made with respect to carrying out and completing of the works contracts (Engineer according to **FIDIC Red Book**).

Value of Services: Cca. €18 Million
Total Investment: Cca. €1.3 Billion



Consultant Services for Improvement of Road Management Practices

Uzbekistan



Project Description

The assignment is financed by the World Bank within the Loan Agreement «Regional Roads Development Project», which envisages undertaking priority road sector institutional strengthening activities, among others.

IRD's Role

Technical assistance to the State Committee for Automobile Roads for the preparation of a sustainable program for regional road asset management, the modernisation of road surveys technology and management tools, and the implementation of an overall training and capacity development package in road management and maintenance activities.

Value of Services: Cca. €1.5 Million

Kabul International Airport at KAIA North

Afghanistan

Project Description

Design, procurement support, and supervision of the works for the ISAF Operational, Logistics, and Life Support Facilities at KAIA North.

IRD's Role

Preparation of the **detailed design** for all the facilities. Assistance to the client in the preparation of the works contract documentation and during the evaluation and award process resulting in a construction contract.

Supervision of works and project management support.

Value of Services: Cca. €450,000

Total Investment: Cca. €50 Million



Design of Railway Line Section Hrvatski Leskovac-Karlovac

Croatia



Project Description

Preparation of all the project documentation necessary for the rehabilitation of the Hrvatski Leskovac – Karlovac railway section, with an approx. length of 50 km. The project is part of the Pan-European Corridor V.

IRD's Role:

- Feasibility study;
- Cost Estimation;
- Environmental impact/ Sustainability assessment;
- Procurement support;
- Project application.

Preparation of the preliminary design and location permits. Undertaking the main design and obtaining the construction permits for the construction of a new double-track railway line.

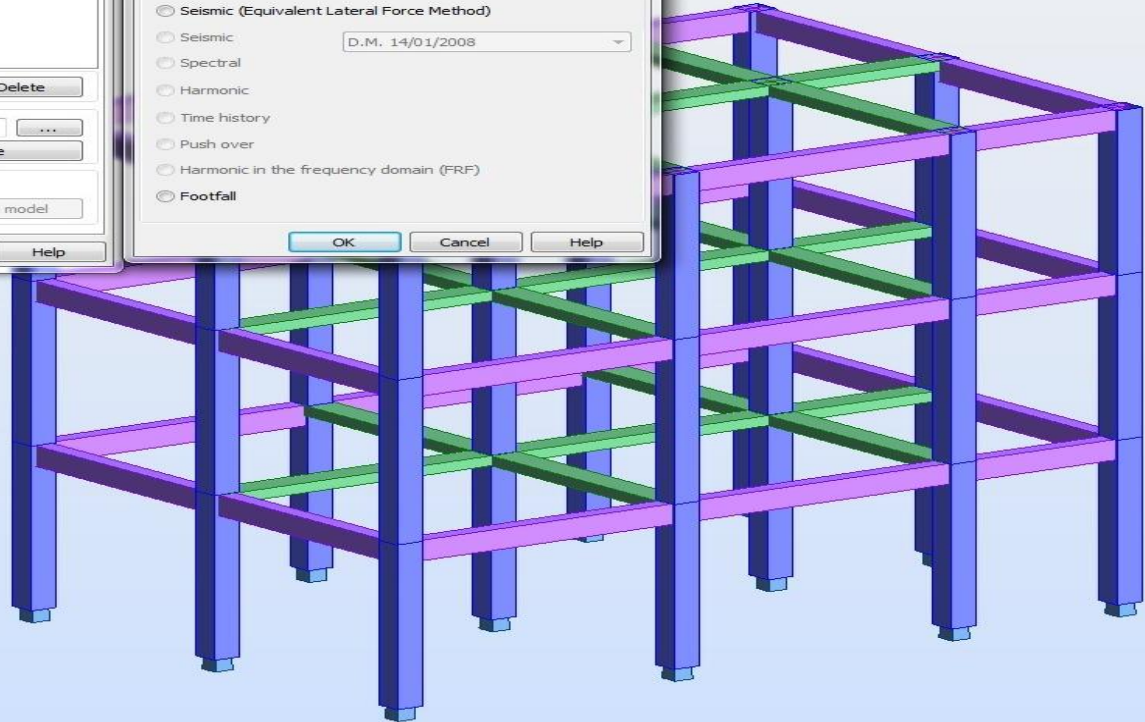
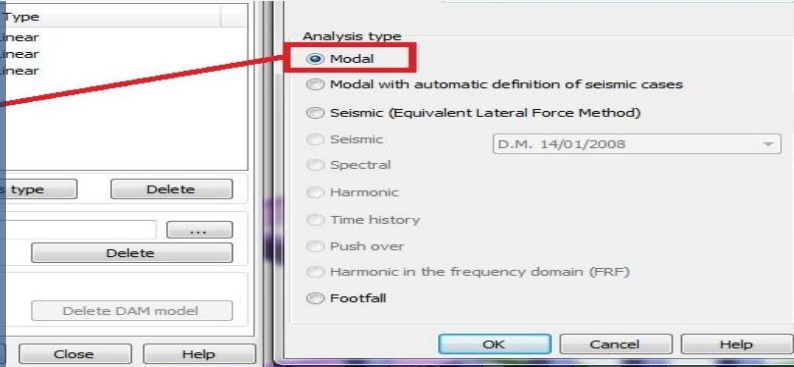
Value of Services: Cca. €7 Million

Project Description

Implementation of the **National Strategy for Disaster Risk Reduction** by improving **seismic safety** of schools to reduce casualties and damage during earthquakes and enabling a better use of school buildings as shelters for the general public and as focal points for emergency response after earthquakes.

IRD's Role

Technical assistance to the government in improving the supportive policies and systems for **seismic risk management** and reduction. Strengthening of the Country's seismic disaster preparedness and response capacity. Technical assistance for enhancing the capacity in **executing and implementing** the investment program for seismic safety management and the Seismic Safety Improvement Program.



Supervision of works for Subotica Wastewater Plant

Serbia



Project Description

Upgrading of the wastewater treatment plant, increasing its hydraulic and biological capacity and adjusting its treatment process to **36,000 m³/day**, what covers the treatment load of **150,000 population equivalent** and includes 8,000 m³/day for industrial wastewater and 4,300 m³/day for groundwater inflow.

IRD's Role

Procurement support following European Union procedures. Supervision of the contractor in all aspects of fulfilment of its obligations, responsibilities and undertakings. **Site supervision** services on behalf of the Contracting Authority, performing the **functions of the "Engineer"** under **FIDIC Yellow Book**.

Value of Services: Cca. €1.1 Million

Total Investment: Cca. €15 Million

Supervision of Design and Works on Motorway Banja Luka-Doboј

Bosnia and Herzegovina

Project Description

Supervision of **detailed design** of the new **4-lanes motorway** section (36 km long), **supervision of the construction works under FIDIC Yellow Book**, and assistance during the Defects Notification Period.

IRD's Role

Supervision of the detailed design. Supervision of the Contractor in all aspects of fulfilment of its obligations, responsibilities and undertakings, made with respect to carrying out and completing of the motorway's design and construction (FIDIC Yellow Book).

Value of Services: Cca. €7.4 Million

Total Investment: Cca. €195 Million



Site Supervision for Upgrading to Four Lanes of the Ganja – Gazakh – Georgian Border Road

Azerbaijan



Project Description

The proposed upgrade to four lanes is financed by an EBRD loan and includes the construction of a new 2-lane carriageway by parallel widening adjacent to the existing road, as well as the construction of a new 4-lane road in new alignments for bypassing villages and towns.

The length of the road is 130 kms.

IRD's Role:

Site supervision according to FIDIC Conditions of Contract for Engineering Services Designed by the Employer MDB Harmonized Edition.

Value of Services: Cca. €8 Million

Project Description

The project was financed by the European Union and comprised the **design and construction of the sewerage systems in Velipoja and in the industrial area of Shkodra**, covering an overall population of 135,000 inhabitants.

IRD's Role

Preparation of **detailed design and tender dossier** for works. Preparation of **technical specification** and tender dossier for the supply of any necessary equipment and machinery for the operation of the entire sewerage system. **Procurement support.**

Value of Services: Cca. €500,000





Total Investment: Cca. \$156 Million

QA Services for the Runway Extension and Apron Construction at Herat Airport

Afghanistan

Project Description

Extension of the runway, 655 m long and 45 m wide. A new hammerhead of approximately 4,500 m², with flexible pavement, was also realized. The works included also drainage works, and marking and lighting systems according to ICAO and STANAG standards. Construction of a fighter aircraft parking apron and taxiways linking it to the existing runway.

IRD's Role

Provision of quality assurance supervision services along the construction works, until completion and commissioning. Design monitoring and review. Project implementation scheduling.

Total Investment: Cca. €10 Million



Supervision of Works for Krraba Tunnel

Albania



Project Description

Supervision activities during the construction of the Krraba Tunnel in the road section Tirana-Elbasan. The works included the excavation and construction of a **double road tunnel with two lanes for each direction**.

The length of the tunnel towards Tirana is 2,321 m and towards Elbasan 2,580 m.

IRD's Role

Independent Engineer according to FIDIC Conditions of Contract. Assistance to the Client (General Roads Directorate) in all contract management-related tasks, including the preparation, execution, and taking over of any elements of the works. Review of NATM Designs.

Value of Services: Cca. €2.2 Million

Total Investment: Cca. €80 Million

Project Description

Provision of **supervision services** during the restoration and construction works aiming to the valorization of urban areas around Albanian **historical sites** in the municipalities of Shkodra, Elbasan, Korca and Berat.

IRD's Role

Acting as the **supervisor according to the General Conditions for Works Contracts Financed by the European Union**. Contract administration and works supervision in compliance with the Conditions of Contract for the concerned works contracts.

Total Investment: Cca. €3.2 Million



Supervision of Civil Works on the Road M03

Ukraine



Project Description

Capital repair of three sections of the M03 Road (10.8 km, 11.3 km and 17 km long), including roads, bridges, drainage, and ancillary works. The works were situated to the east of Lubny and follows the alignment of the existing M03 Road, between town of Lubny and city of Poltava. Approximately, 35 km of the existing M03 Road were repaired.

IRD's Role

Supervision of the Contractor in all aspects, of fulfilment of their obligations, responsibilities and undertakings made with respect to carrying out and completing of the works contract. (Engineer according to FIDIC MDBH)

Value of Services: Cca. €4 Million

Total Investment: Cca. €130 Million

Development of the Strategic Transport Master Plan for the Capital City of Addis Ababa

Ethiopia

Project Description

The assignment, funded by the World Bank, is part of the Transport Systems Improvement Project that is being promoted by the Addis Ababa City Roads Authority. It aims at **assessing the existing and future transport conditions, setting transport goals for the city, reviewing the transport network and land use, and identifying the necessary policy and infrastructure interventions.**

IRD's Role

Addressing all aspects of Addis Ababa's transport system, including transport governance, **road development, and public transport.** Analysing the potential integration of different modes of transport, promoting sustainable transport systems, and improving traffic safety.



Supervision of the Hajigabul Bahramtepe Road Section

Azerbaijan



Project Description

Improvement of 112.5 km of the Hajigabul- Bahramtepe section of the M6 Hajigabul-Horadiz road and rehabilitation of approximately 200 km of local roads connecting neighbouring villages with Hajigabul- Bahramtepe road, including also the rehabilitation of the major bridges over the river Kur and the construction of a new one (310 meters).

IRD's Role

Supervision of the contractors in all aspects of fulfilment of their obligations, responsibilities and undertakings, made with respect to carrying out and completing of the works contracts (Engineer according to the FIDIC MDBH 2006)

Value of Services: Cca. €5.5 Million

Total Investment: Cca. €230 Million

Project Description

Žečelj Bridge is a **tied-arch bridge** on Danube river in Novi Sad, Serbia. The bridge was originally built in 1961, only to be demolished during the 1999 bombing of Yugoslavia. The newly constructed bridge was opened in 2018. It consists of two arches, one 177 meters long and 34 meters high, while the bigger arch is 219 meters long and 42 meters high.^[3]

IRD's Role:

- Topographical, geotechnical and hydraulic surveys;
- Conceptual statement of the superstructure and substructure in accordance with EURO-CODE;
- Advanced preliminary design;
- Tender documents prepared to enable the design & build contract according to FIDIC Yellow Book.

Value of Services: Cca. €2 Million
Total Investment: Cca. €52 Million



Consultancy Services for the North-South Road Corridor

Armenia

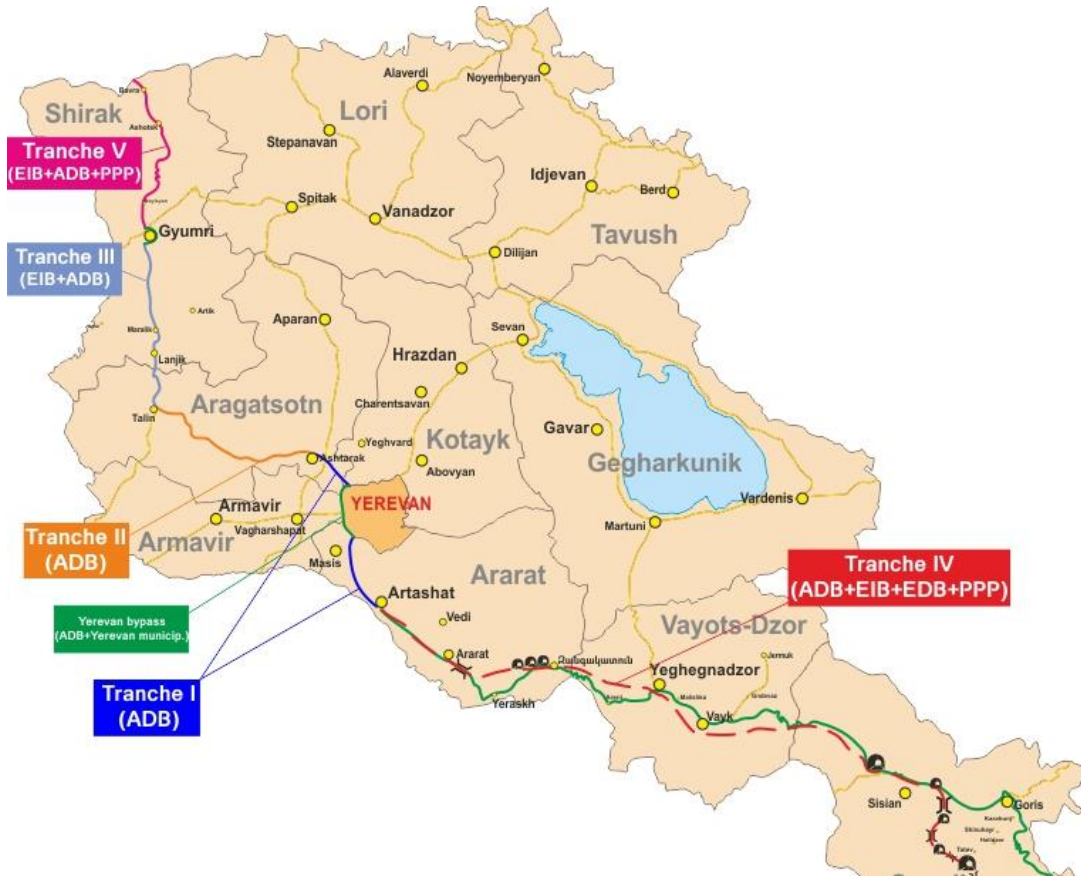
Project Description

Feasibility study and preliminary design for the road section from Artashat South to Qajaran (about 304 km), and **detailed design of about 60 km** of the north-south road corridor, from Sisian to Kajaran.

IRD's Role

Preparation of the feasibility study and preliminary design, including full field surveys, draft due diligence documents, and draft bidding documents. Undertaking the **detailed design for about 60 km** from Sisian to Kajaran, including full field surveys, final due diligence documents, and final bidding documents. Land acquisition and resettlement plan and environmental impact studies.

Total Investment: Cca. \$150 Million



Engineering Services for Logistic Centers in Central Asia

Kazakhstan

Project Description

Provision of engineering support to facilitate the movements of goods along the TRACECA corridor by **improving logistics capabilities, interoperability and multimodal transport.**

The specific objective of this project was to develop financial, technical, environmental and institutional conditions and studies for a network of logistical centers along the TRACECA corridor.

IRD's Role

Our team provided a set of **feasibility studies and preliminary designs for selected logistic centres** to be developed on the TRACECA corridor.

Value of Services: Cca. € 2 Million



Detailed Design for the Highway E60 – Section Khevi-Argveta

Georgia



Project Description

The E-60 highway connects the Black Sea coast with Tbilisi. The Khevi - Argveta section has an **approximate length of 42 km**, in which the construction of **77 bridges** with a total length of 7.3 km and **40 tunnels** with a total length of 20 km are planned.

IRD's Role

Revision of the **feasibility study**. Proposals for improvement of geometric parameters of the road. Field surveys and data collection. Preparation of **detailed engineering design for all the construction works**. Undertaking of **bidding documents according to FIDIC MDB**. Environment impact assessment. Land acquisition and resettlement plan. **Road safety assessments and audits**.

Value of Services: Cca. \$12 Million

Total Investment: Cca. \$932 Million

Supervision of Works Under the Livable Cities Investment Project for Balanced Development

Georgia

Project Description

The Livable Cities Investment Project for Balanced Development is a 120-million USD program financed by the Asian Development Bank (ADB). The foreseen investments cover the upgrade of city centres and community facilities, such as municipal parks (including the “Dighomi Meadows Park” and other municipal parks in Tbilisi), kindergartens, sports complexes, libraries, or cultural heritage structures.

IRD's Role

Construction supervision, to execute control over the construction works in order to ensure high quality of construction, adherence to the terms of work execution provided in the construction contracts, compliance with the detailed design and specification requirements, and finalisation within costs and approved schedule of works

Value of Services: Cca. € 0.6 Million





The project is jointly financed by European Investment Bank, the European Bank for Reconstruction and Development and the World Bank, aiming at **supporting the rehabilitation and safety improvement of about 1,100 km of roads across the Serbian national network.**

IRD's Role

Our supervision services cover 31 sections all over the territory of Republic of Serbia in a total length of 670 km. Our team is undertaking the **overall revision of the detailed design and supervision of the construction of the works under SBD for Procurement of Small Works (the World Bank) Conditions of Contract.**

Value of Services: Cca. € 5 Million
Total Investment: Cca. € 274 Million

Design and Site Supervision of the East African Kidney Institute

Kenya

Project Description

The services included under this project are the **design phase and supervision consultancy services** for the construction of a research and teaching complex for the East African Kidney institute to be located at Kenyatta National Hospital grounds. The planning and design of the building follow the "green building approach".

IRD's Role

Our team, in consortium with Politecnica Ingegneria and DBA Group, prepared the **detailed designs** (Architectural, Structural, Electrical, Mechanical, Civil Engineering) and the Bills of Quantities with Cost Estimation. **Supervision of the works** to ensure that the works are implemented with high standards of workmanship, within the agreed timelines and within the approved budget in accordance with the drawings and specifications.



Supervision of the Design and Construction on the A3 Motorway, Section Chețani — Câmpia Turzii

Romania



Project Description

The A3 is a partially-built motorway in Romania, **connecting its capital city Bucharest with the Transylvania region and the north-western part of the country.** Once completed, it will be 596 km-long and will run along the route Ploiești, Brașov, Făgăraș, Sighișoara, Târgu Mureș, Cluj-Napoca, Zalău and Oradea, connecting with Hungary's M4 motorway.

IRD's Role

Full supervision services for the design and build of **15.7 km of roads, one double trumpet interchange, 9 bridges and passageways and one maintenance and coordination centre.** The supervision contract is implemented in accordance with the Romanian legislation in force.

Value of Services: Cca. €3.5 Million

Total Investment: Cca. €80 Million

Design Review & Construction Supervision of Batrovci Border Crossing Infrastructure Facilities

Serbia

Project Description

Funded by the European Union, the specific objective of this contract was to assist the Government of Serbia in preparing and implementing an infrastructure project for the upgrading of the border crossing point at Batrovci (border with Croatia).

IRD's Role

Our team undertook the overall revision of the detailed design and supervision of the construction of the works, acting as the "Engineer" under FIDIC Conditions for Contract.

Value of Services: Cca. € 0.7 Million





IRD ENGINEERING

www.irdeng.com