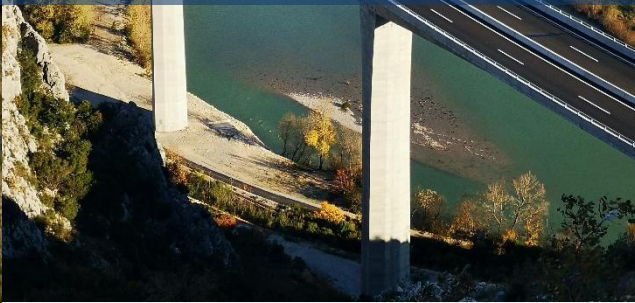
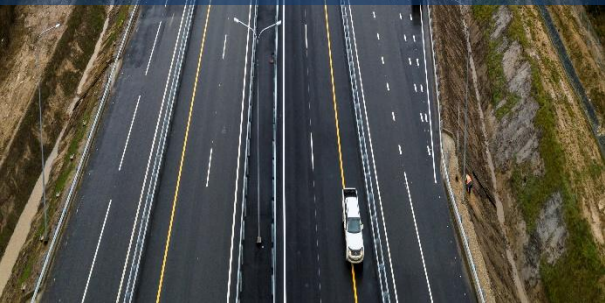




IRD ENGINEERING s.r.l.

CORPORATE PROFILE

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 €100 billion.



Our Staff

IRD Engineering is composed by a committed multidisciplinary team of more than 450 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, the AIIB, the UNIDO, NATO, the WB, 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.

For several years IRD Engineering has led the ranking of Italian service providers working in projects funded by the Asian Development Bank and by the European Bank for Reconstruction and Development.

In 2024 IRD Engineering was ranked 131st 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 30 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 Bangladesh
- IRD Branch in Afghanistan
- IRD Branch in Libya

Project Offices

- 15 additional offices in Europe, Asia, and Africa

450 +
Employees and
Associated Consultants

100 +
Assignments under
Implementation

18
Branches and
Subsidiaries

30 +
Countries of
Operation

Roads and Highways Infrastructure



Railway Infrastructure



Security and Defense Infrastructure



Architecture and Building Management



Environmental Engineering



Institutional Strengthening and Capacity Building



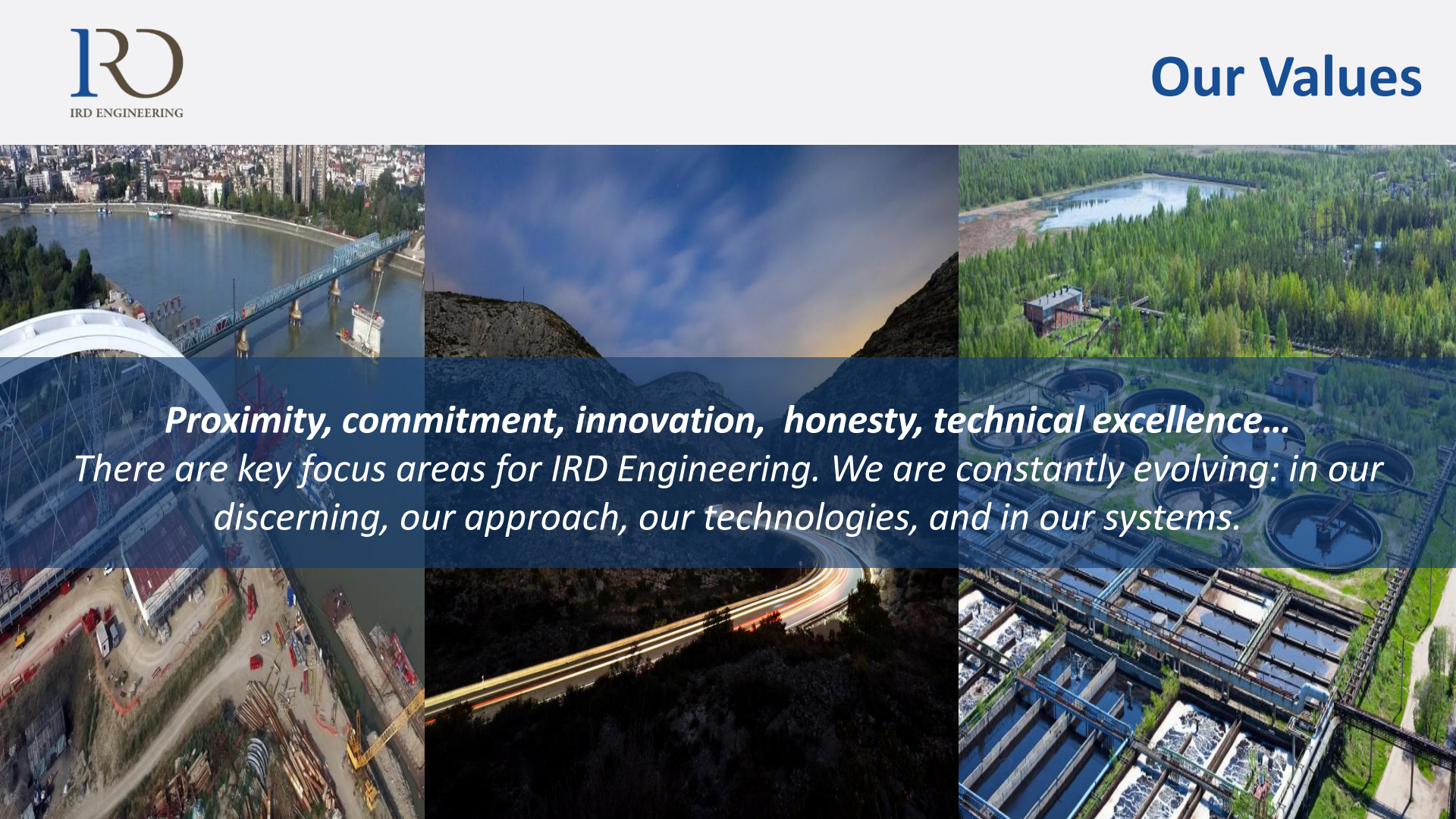
Certifications and Memberships



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), to **ISO 27001:2022** (Information security, cybersecurity and privacy protection), to **ISO 37001:2016** (Anti Bribery Management System), to **UNI/PdR 125** (Gender Equality System), to **PAS 24000** (Social Management System), and furthermore it is accredited by "Accredia", the only authorized Italian body, pursuant to the **UNI CEI EN ISO/IEC 17020** standard as a type C "Inspection Body", for **design verification of projects with a value of works exceeding 20 million euros**.

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



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 Ključ (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. €2.2 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

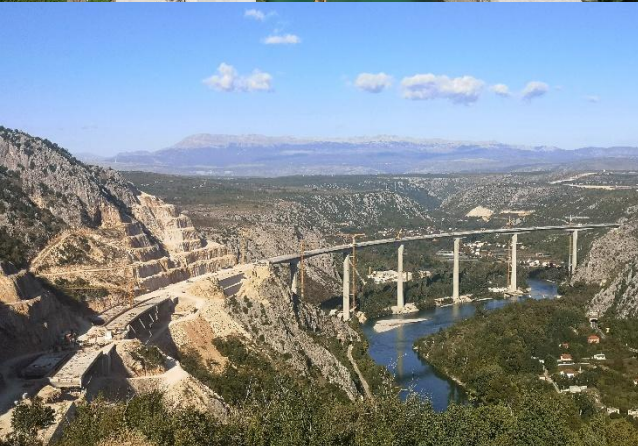
Supervision services in accordance with FIDIC Conditions of Contract (Red Book), the existing tender documentation, as well as with the relevant local legislation on construction.

Value of Services: Cca. €7.5 Million
Total Investment: Cca. €130 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. € 8 Million
Total Investment: Cca. €110 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 the Design and Construction on the Motorway Sibiu – Pitesti Section 2: Boita - Cornetu

Romania



Project Description

The A1 motorway (also known as Autostrada A1) is a motorway that connects Bucharest with the Banat and Crişana regions in the western part of Romania. When completed, it will be 576 kilometers long and it will span the country south-east to north-west. **The awarded sub-section (Lot 2), connecting the towns of Boita and Cornetu, has a length of 31.33 kilometers, including 49 bridges and viaducts, 7 tunnels with lengths ranging from 250 meters to 1,590 meters, and one ecoduct.**

IRD's Role

Full supervision services for the design and build of the motorway section. The supervision contract is implemented in accordance with the Romanian legislation in force.

Value of Services: Cca. € 22 Million

Total Investment: Cca. € 1.4 Billion

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 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

Implementation Support and Work Supervision Services for Output and Performance-Based Road Contracts

Lao People's Democratic

Project Description

The project relates to the rehabilitation of the NR2 West under an **Output- and Performance-Based Road Contract**. The NR2 is part of the Asian Highway 13, running for almost 300 km from the Thai border to the Vietnamese border at. The intervention will **improve and widen sections, making the road safer and climate resilient**.

IRD's Role

Our team provides support to the Department of Roads under the Ministry of Public Works and Transport in the overall **implementation and supervision of the improvement and maintenance of the road and the border facilities** at Panghok and Muang Gneun. Services include the **review of the detailed design** prepared by the Contractors, the **supervision of all works**, and the subsequent **monitoring of all defined operation and maintenance indicators**.

Value of Services: Cca. €4.1 Million



Coastal Towns Climate Resilience Project - Detailed Design Consultants

Bangladesh



ADB



Project Description

The project aims at strengthening climate resilience and disaster preparedness in 22 climate vulnerable coastal towns in Bangladesh, taking a holistic and integrated approach to urban development and considering climate change and disaster risks.

IRD's Role

Detailed design services for all the foreseen interventions, namely cyclone shelters constructed with early warning system, roads with stormwater drainages, footpath, bridges and culverts rehabilitated or constructed for improved connectivity and access to emergency services in the event of disasters triggered by natural hazard.

Value of Services: Cca. € 1.6 Million

Total Investment: Cca. € 300 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



Definitive – Executive Planning for the “Railway Connection Alghero Center – Alghero Airport”

Italy



Project Description

The project considers a series of interventions by ANAS aimed at completing the **high-speed rail network** in the north-west quadrant of Sardinia. It concerns the construction of the new Alghero Centro – Alghero Airport railway connection, carried out by traction units (UdT) with **electric traction powered by hydrogen**, and the construction of a new **depot for the maintenance of the new trains**.

IRD's Role

Preparation of the definitive and executive planning, supplies and works necessary for the realization of the project.

Value of Services: Cca. €2.5 Million

Total Investment: Cca. €150 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 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

Construction Supervision of Agua Grande Coastal Protection and Reconstruction of Marginal Road

Democratic Republic of São Tomé and Príncipe

Project Description

The whole intervention consists of the **reconstruction, upgrading and coastal protection of the São Tomé City's main avenue, The Marginal**, which is a key artery of the primary national road network and a crucial element in the capital's urban regeneration and tourism development.

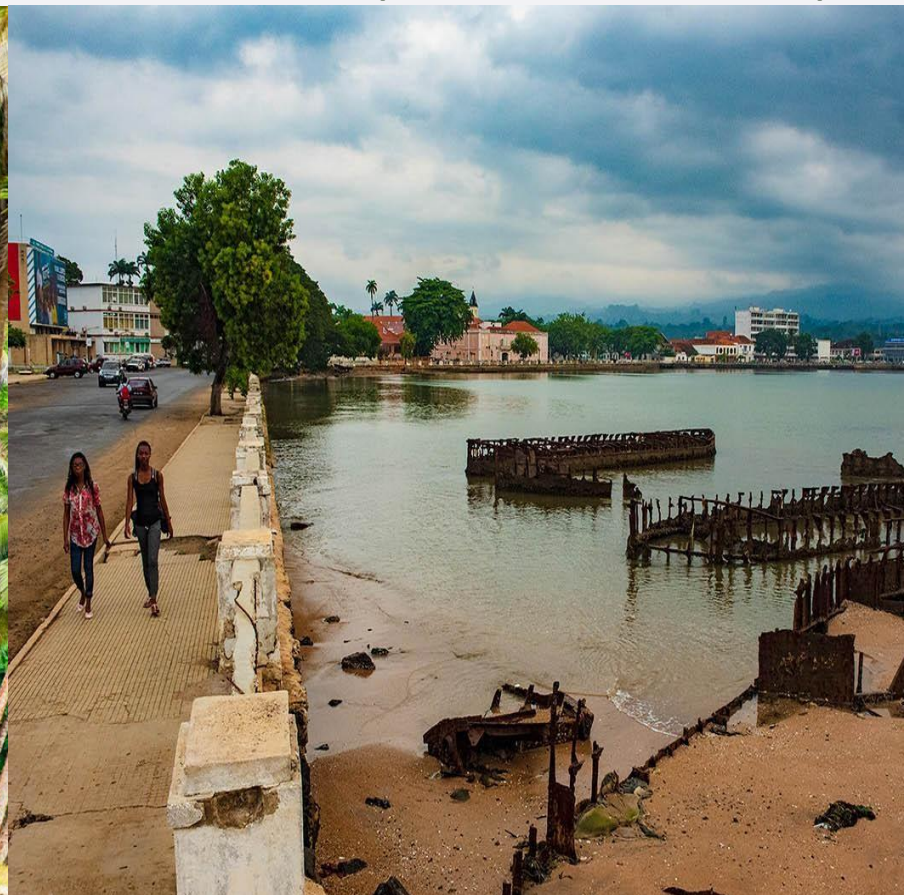
The whole scheme is financed by the European Investment Bank (EIB) and by RVO (the Netherlands Enterprise Agency).

IRD's Role

Provision of **FIDIC supervision services** during the construction of the Agua Grande coastal protection and the reconstruction of The Marginal Road for a total length of 8.8 km.

Value of Services: Cca. € 1 Million

Total Investment: Cca. €25 Million



Support for Road Sector Reform and Road Safety Strategy

Albania



Project Description

EU-funded project aimed at assisting the Ministry of Infrastructure and Energy and the Albanian Road Authority in the elaboration of a new **Road Safety Strategy and Action Plan up to 2030**, at strengthening the capacity of the users of the **Road Asset Management System** and **Road Traffic Monitoring and Control System**, and at preparing a masterplan for the financing mechanisms for the maintenance of the road network.

IRD's Role

Support the **institutional reform process and internal restructuring of the Albanian Road Authority** in a bid to make it a more efficient, professional, and transparent organization for managing road assets, traffic and road safety. This process will include a revision of the supply and demand management processes, as well as assistance in their embedment into the relevant legislation, regulations, procedures, and overall organizational structure



Value of Services: Cca. €2.2 Million

Construction Supervision Consultants for the Improvement of the Sylhet-Tamabil Road to Four-Lane Highway

Bangladesh

Project Description

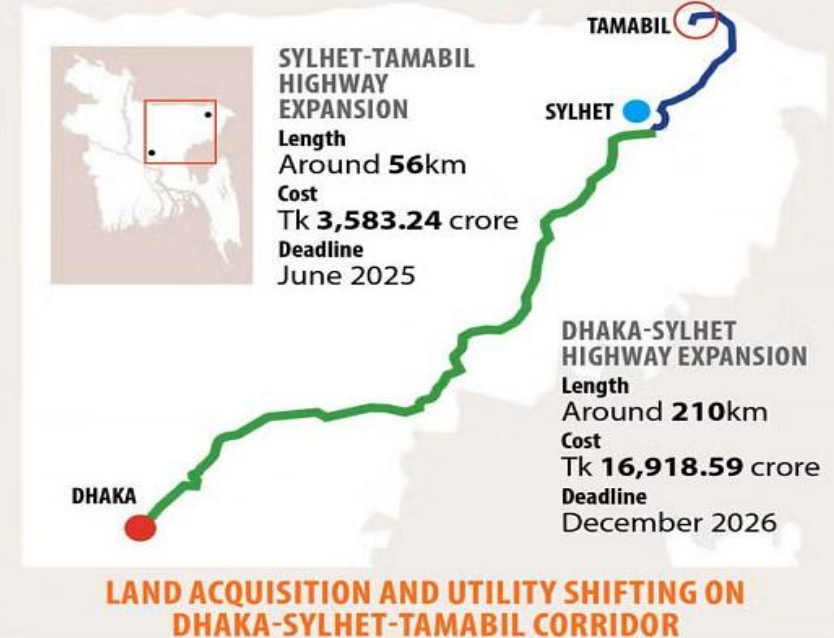
The overall objective of the project, financed by the **Asian Infrastructure Investment Bank (AIIB)**, is to improve intercity connectivity in Bangladesh and cross-border connectivity between Bangladesh and India, by upgrading the Bangladeshi **National Highway N2** from a two-lane single carriageway to a four-lane dual carriageway highway.

The **56 kilometers-long** Sylhet-Tamabil highway is part of the **Asian Highway-1** which links India's Meghalaya and West Bengal.

IRD's Role

Supervision of all works to be carried out by the contractors in accordance with **FIDIC MDB Harmonized Conditions of Contract**.

Value of Services: Cca. € 21 Million



ORIGINAL PROJECT	REVISED PROPOSAL
Cost Tk 3,586 crore	Cost Tk 7,982 crore
Deadline December 2020	Deadline June 2023
Land requirement 986.47 acres	Land requirement 1,381 acres

Project Implementation Support – Water Supply Energy Efficiency Project

Uzbekistan



Project Description

The assignment is financed by the **EBRD** and aimed at **enhancing the efficiency of the regional irrigation water conveyancing systems**, crucial for regions dependent on irrigated agriculture. More specifically, the loan targets the **supply and installation of pump units and auxiliary equipment** and the reconstruction of related buildings and external networks.

IRD's Role

Project implementation support services focusing on the assistance to PIU on organizational matters, procurement, tendering and contract implementation, assistance with compliance and reporting obligations under the financing documents as well as environmental and social implementation support in accordance with EBRD's Procurement Policies and Rules.

Value of Services: Cca. €3.4 Million
Total Investment: Cca. €220 Million

Design Framework Agreement for the Modernization of Infrastructure of the Ministry of Defence

Italy

Project Description

Framework Contract with the Ministry of Defence – General Secretariat of Defence and Management National Armaments – Directorate of Works and State Property (GENIODIFE), for the provision of engineering services for the **upgrading and modernization of the infrastructure of the Ministry of Defence – Lot 3**, for the following interventions: barracks, flight school, including teaching rooms, laboratories, student and marshals building, logistics areas, and the modernization of an Air Force Academy.

IRD's Role

Definitive and executive technical-economic feasibility design, safety and coordination plan, assessments, surveys, geological investigations, etc., for the upgrading and modernization of the infrastructure of the Ministry of Defence

Value of Services: Cca. €20 Million
Total Investment: Cca. €690 Million



CASERME Verdi
PER L'ESERCITO ★
STUDIO PER LA REALIZZAZIONE DI
GRANDI INFRASTRUTTURE - CASERME "VERDI"



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

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



Implementation Support and Supervision Consultant for Local Roads in 5 Provinces

Lao People's Democratic Republic

Project Description

This assignment is funded by the **World Bank** under its “**Southeast Asia Regional Economic Corridor and Connectivity Project**”, a 200 million USD loan aimed at improving logistics connectivity and cross-border trade in selected economic corridors in Northern Laos, facilitating the road transport with neighbouring countries.

IRD's Role

Implementation support and works supervision services focusing on the enhancement of climate resilience and safety of selected **local roads with an overall length of almost 400 km** in the provinces of Phongsaly, Oudomxay, Luangnamtha, Xayabouly, and Luangprabang, using a **hybrid performance-based contract (PBC) approach**

Value of Services: Cca. €2.5 Million

Total Investment: Cca. €220 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



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



Design of Military Assets In Kabul City

Afghanistan

Project Description

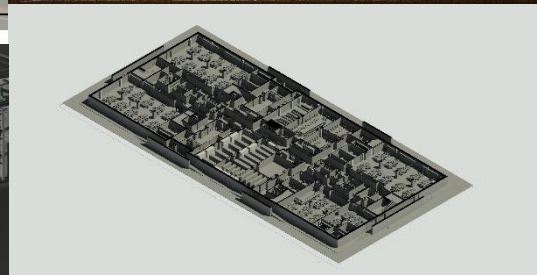
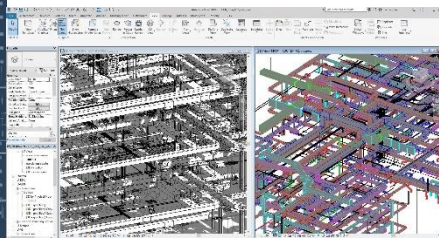
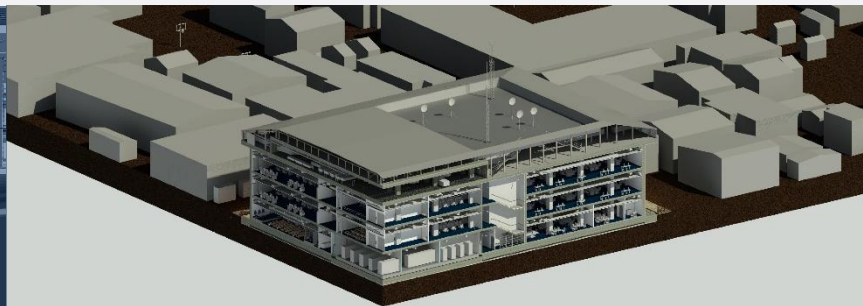
Design for numerous compounds within the Hamid Karzai International Airport and the Sardar Mohammad Dawood Khan Hospital Complex.

IRD's Role

The services for military assets in Kabul covered the design, at all stages of detail including Building Information Modeling up to **LOD 400 and 500** for several objectives within the project.

Design, and field engineering investigations.

Value of Services: Cca. €10.2 Million
Total Investment: Cca. €910 Million



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

Project Preparation, Design Review, Procurement Support - Rehabilitation of the Vore - Hani i Hotit Railway Line

Albania

Project Description

The project aims at the complete **rehabilitation of the existing railway section**, including the signalling and telecommunication and the electrification supply and installation, increasing its average speed to 120 km/h. The whole scheme is implemented through works contracts administrated under FIDIC Plant and Design-Build (Yellow Book).

IRD's Role

Preparation of **technical documentation**, assistance during the **procurement** of works and supervision services, design review, support with all compliance and reporting obligations under the financing documents, **training of PIU staff** and implementation of good international practices in the railway sector.

Value of Services: Cca. € 2.8 Million
Total Investment: Cca. €375 Million



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.

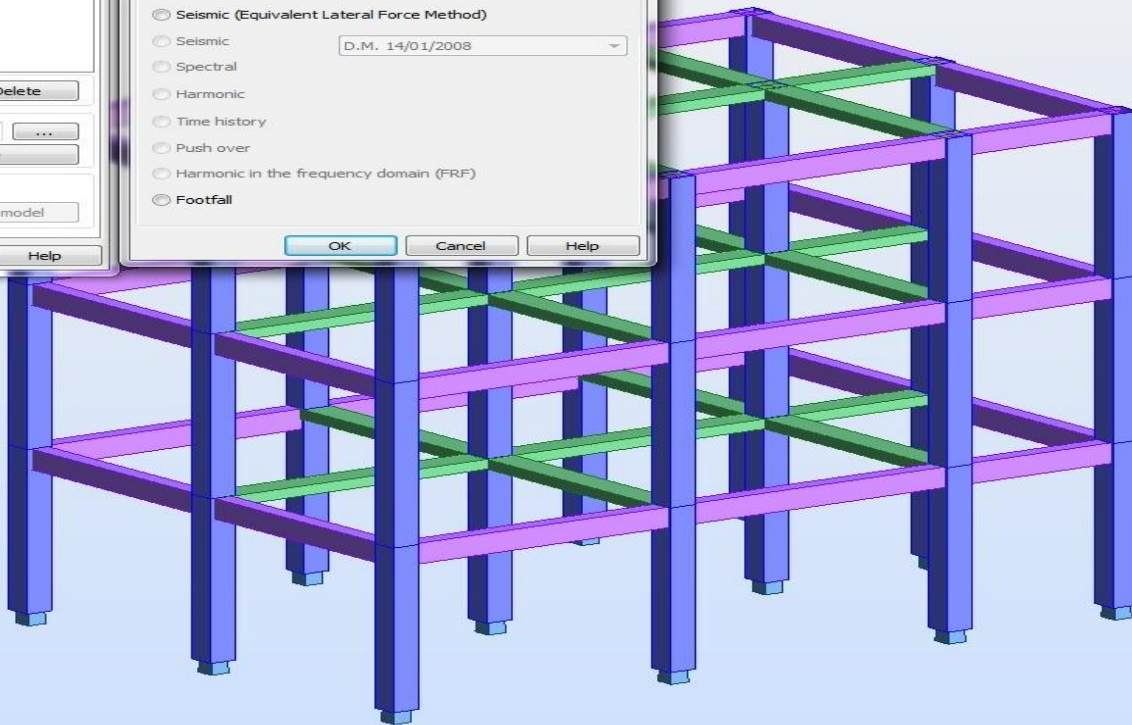
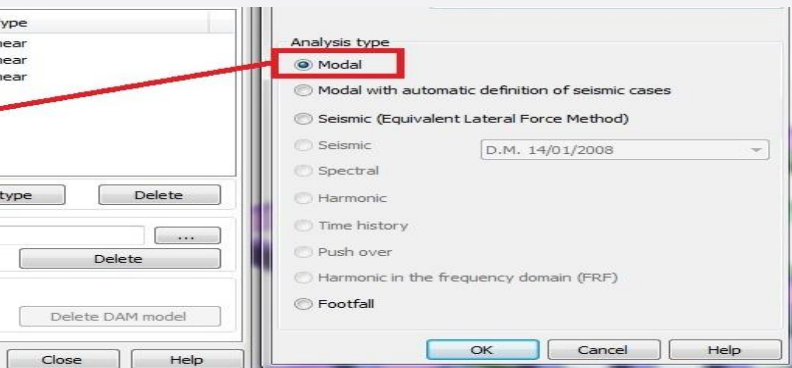
Value of Services: Cca. €2 Million

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

Works Supervision of Military Assets In Kabul City

Afghanistan

Project Description

Works Supervision for numerous compounds at **Hamid Karzai International Airport** and the **Sardar Mohammad Dawood Khan Hospital Complex**.

IRD's Role

Carrying out the Works Supervision for Quality Assurance including the update of AS-Built in Building Information Modeling up to **LOD 400 and 500** for several objectives within the project.

Supervision of works and project management support.

Value of Services: Cca.€6.5 Million
Total Investment: Cca.€120 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

Total Investment: Cca. €210 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.



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

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



Result-Based Road Maintenance and Safety Project

Albania



Project Description

The objectives of the project are to maintain the condition and improve the safety of Albania's primary-secondary road networks, and to strengthen the sustainable and efficient road asset management and safety practices.

IRD's Role

IRD's team provides **supervision services** for the **periodic and routine maintenance** of the road network and supports institutional reforms at the Albanian Road Administration.

Value of Services: Cca. € 8 Million
Total Investment: Cca. \$156 Million

Architecture and Engineering Services for the Military Bases of Herat, Kandahar and Mazar Sharif

Afghanistan

Project Description

Expansion of barracks compounds, runways, hangars and numerous complementary works for the **military bases of Herat, Kandahar and Mazar Sharif**, according to ICAO and STANAG standards.

IRD's Role

Provision of design at all level of details, including several objectives in BIM up to LOD 350-400, Works supervision services for quality assurance along the construction works, until completion and commissioning. Project implementation scheduling.

Value of Services: Cca. €9,6 Million
Total Investment: Cca. €336 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

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



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

Zečelj 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





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.

Value of Services: Cca. €3 Million

Total Investment: Cca. €1.6 Billion

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

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.

Value of Services: Cca. €1 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

ARMENIA AZERBAIJAN

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.**

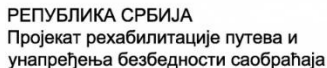
The specific objective of this project was to develop financial, technical, environmental and institutional conditions and studies for a network of logistical centers along the TRACECA corridor.

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





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. € 8 Million
Total Investment: Cca. € 274 Million

Engineering and Architecture Services for the New Main Operating Base of the Sigonella Military Airport

Italy

Project Description

The Naval Air Station (NAS) Sigonella is an Italian Air Force base in Lentini, Sicily, Italy. It serves as an Italian base for the 41st Stormo Antisom. It is located 15 kilometres west and 11 km south of the city of Catania, and some 40 km (25 mi) south of Mount Etna.

IRD's Role

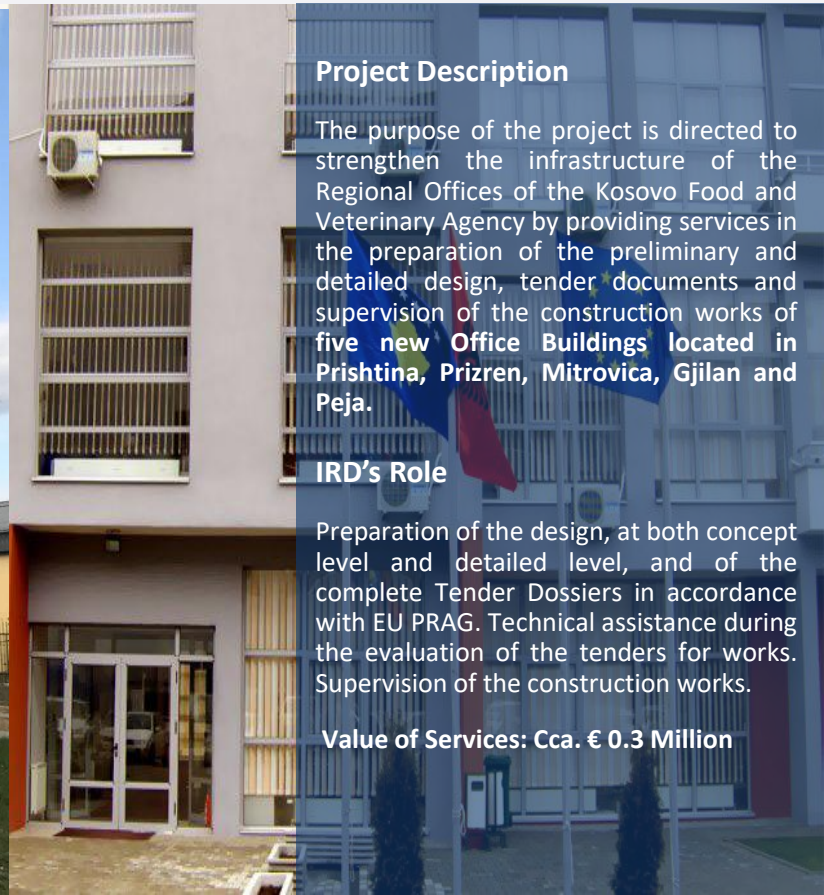
IRD carried out the detailed design related to all the aspects (Civil, Structural, Systems, etc.) in BIM LOD 350-400 and the supervision of the works for the entire duration of the construction, and further assistance to the static and technical-administrative tastings.

Value of Services: Cca. € 4.3 Million
Total Investment: Cca. € 82 Million



Design and Supervision of Construction of Regional Offices of the Food and Veterinary Agency

Kosovo



Project Description

The purpose of the project is directed to strengthen the infrastructure of the Regional Offices of the Kosovo Food and Veterinary Agency by providing services in the preparation of the preliminary and detailed design, tender documents and supervision of the construction works of **five new Office Buildings located in Prishtina, Prizren, Mitrovica, Gjilan and Peja.**

IRD's Role

Preparation of the design, at both concept level and detailed level, and of the complete Tender Dossiers in accordance with EU PRAG. Technical assistance during the evaluation of the tenders for works. Supervision of the construction works.

Value of Services: Cca. € 0.3 Million



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