



**ZEON ENGINEERING & CONSULTING  
CORPORATE PROFILE**

# ZEON

## Engineering & Consulting

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[www.zeoneng.com](http://www.zeoneng.com)

ZEON® was established in 2004 to provide consultancy and engineering services to private and public sector companies in both Turkey and abroad.

ZEON® places human factor at the center. It identifies the responsibilities related with both its employees and its clients meticulously, and acts within the framework of national and international regulations. The Firm does not restrict its liabilities with the employee-client axis only. Actions are taken with social responsibility and environmental consciousness.

ZEON®, has the ability to use the most advanced technological design and detailing instruments at the current national and international design codes.

ZEON®, which devotes a significant share of its resources to research and development activities, has developed many innovative ideas and products in the fields of engineering and technical consultancy and conducts research studies with universities.

ZEON®, which has adopted the principle of lifelong learning, contributes to the training of qualified and competent engineers by supporting the development of its employees both technically and socially.

ZEON® with the flexibility of being a boutique engineering and consulting firm, accomplishes the services required by its customers by forming the projects teams according to the quality and quantity requirements of the project.

As an independent engineering and technical consultancy firm, ZEON® can fully concentrate on the goals and objectives of its customers.

ZEON® has gained the praises of its customers by using the latest techniques in the Engineering and Consultancy industry and the current international codes, accomplishing the projects within the determined budget and time, and providing feasible and applicable solutions to the projects involved.

Onur GÖNÜL  
Chairman



## MASTER PLANNING AND FEASIBILITY STUDIES

We define optimal and integrated solutions during the planning stages of any type of infrastructure.



## ENGINEERING DESIGN

We offer complete engineering design services to take any type of project from a concept to a concrete solution.



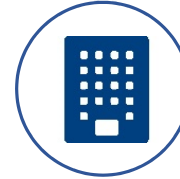
## TENDER DOCUMENTATION AND PROCUREMENT

We establish the procurement strategy, identify the tender packages, prepare the



## CONTRACT AND PROJECT MANAGEMENT

We provide whole management services, covering all aspects and all phases during the construction of any kind of infrastructure.



## CONSTRUCTION SUPERVISION

We take part as a construction supervisor and technical consultant during the construction and installation of the facility.



## BUDGET AND WORK SCHEDULE TRACKING

We monitor the work schedule and budget of the entire investment in real time and report the data to the Customer with daily, weekly and monthly reports.



## COMMISSIONING

We prepare commissioning procedures, manage commissioning processes and prepare training documents for operational management.



## TECHNICAL ASSISTANCE AND CAPACITY BUILDING

We provide technical assistance to maximize capacities in infrastructure planning, development, operation, and maintenance.



## TRANSPORT INFRASTRUCTURE

Roads and Highways, Bridges and Structures, Traffic and Transport Planning, Road Safety Audits, Rail and LRT Infrastructure, Airports, Pavement Management Systems, Tunnels, Geotechnics and Metro, Performance-Based Maintenance and Asset Management, Capacity Building of Transport-Related Institutions, Tramway, Marine Structures, Urban transportation.



## WATER AND MUNICIPAL INFRASTRUCTURE

Water treatment and water supply networks, Sewerage systems, Industrial and urban wastewater treatment, Irrigation schemes, Dams and other hydraulic structures, Landfills and incinerators.



## BUILDING AND ARCHITECT

New settlements and smart urban development, Educational, administrative, and health facilities, Border crossing facilities, Historical sites and buildings, Shopping centers and other commercial facilities, Industrial and logistic centers, Airport terminals and railway and public transport stations.



## POWER & ENERGY

We provides Basic and Detailed Design and Engineering and advanced specialties including simulation, enterprise integration, integrated automation processes, and interactive 3D modeling.



## STRUCTURAL REINFORCEMENT AND SEISMIC RETROFITTING

ZEON offers a wide range of Advanced Structural Reinforcement and Earthquake Engineering services to meet the needs of its customers.



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

An aerial photograph of a complex multi-level highway interchange in a city, likely Dubai, during sunset. The sky is a mix of orange and blue, and the city skyline with several tall skyscrapers is visible in the background. The foreground shows the intricate network of roads and overpasses. A semi-transparent dark blue banner is overlaid across the middle of the image, containing the text 'REPRESENTATIVE PROJECTS' in white, uppercase letters.

REPRESENTATIVE PROJECTS

## Victoria Gardens Shopping and Entertainment Complex

Location: Lviv / UKRAINE

Employer: Fenix Capital

ZEON's Role: Construction Supervision, Budget and Work Schedule Tracking, Commissioning

Year: 2008 - 2016

Project Description: Having a structure area of 105,000 m<sup>2</sup> + 45,000 m<sup>2</sup> of infrastructure are this project has the status of being the largest shopping mall in Western Ukraine with its bowling saloons, movie theaters, supermarkets, stores, open and covered parking lots, stores, ice skating, electronic casino, restaurant and cafeteria facilities.



## SIRT AIRPORT VIP BUILDING

Location: Sirt / LIBYA

Employer: System Construction Company

ZEON's Role: Construction Supervision, Budget and Work Schedule Tracking, Commissioning

Year : 2009

Project Description: The project involves the extension of the existing airport building. It consists of presidential hall, ministerial hall, rest rooms, administrative offices ,presidential bedroom and office on the first floor and on the second floor mechanical rooms. Main building is of steel construction and over the main building it has the steel construction canopy. Furniture is also within the scope of works. Construction Area 2.000m<sup>2</sup>



## SIRT AIRPORT TOWER AND OPERATIONAL BUILDING

Location: Sirt / LIBYA

Employer: System Construction Company

ZEON's Role: Construction Supervision, Budget and Work Schedule Tracking, Commissioning

Year : 2009

Project Description: The project consists of all civil, mechanical, electrical and infrastructure works. The tower is 36 meters long with an operational triangle shaped building. It has atc systems which includes voice control communication systems, voice recorder system, vhf radios, transmitter systems, receiver systems, monitoring and control systems and vhf direction finder systems.



## Porta Batumi Skyscraper Tower Project

Location: Batumi / GEORGIA

Employer: System Construction Company

ZEON's Role: Construction Supervision, Budget and Work Schedule Tracking, Commissioning

Year: 2009 - 2014

Project Description: The project is located at the heart of Batumi, Georgia very close to the seaside. The building is 42Floors+ A roof floor, 3 Basement floor as carpark and technical areas. Total construction area 120.000m2 and contains Residential flats, boutique hotel, - Luxury Shopping Areas, Offices and Dining areas.



## Donetsk Oblast Monorail Project

Location: Donetsk / Ukraine

Employer: Private Business Firms

ZEON's Role: Detailed Design and Feasibility Study

Year : 2012

Project Description: Donetsk Oblast Monorail Project



## Zaporizhzhia Oblast Monorail Project

Location: Zaporizhzhia / Ukraine

Employer: Private Business Firms

ZEON's Role: Detailed Design and Feasibility Study

Year : 2012

Project Description: Zaporizhzhia Oblast Monorail Project



## International University Hospital Project

Location: Batumi / GEORGIA

Employer: System Construction Company

ZEON's Role: Construction Supervision, Budget and Work Schedule Tracking, Commissioning

Year: 2014 - 2015

Project Description: BAU Hospital's Total Construction Area is 10.285m<sup>2</sup>. The Hospital has 56 Beds for Patients, 21 ICU beds, New Born ICU 5 beds. It is fully equipt hospital. There are totally 18 departments available in the policlinics. Building has 70pcs car parks.





## Osogbo East Bypass Motorway Project

Location: Osogbo , Osun State, NIGERIA

Employer: Osun State Government, NIGERIA

ZEON's Role : Topographical Survey, preparation of detailed engineering design, including preparation of shop drawings. Hydrological studies.

Year : 2017- 2018

Project Description: East-By-pass motorway in Osogbo. The contract covers 17.5 kilometers, four bridges and viaducts, three interchanges. The Motorway is designed as dual carriageways of 2 X 3.75 m, supplemented with 2.0 m emergency shoulder. 22 Culverts, 11,900 m Guard Rails, 1,162 pcs Street Lights (250W, 10 m Height)



## Reconstruction of Obaladejobi's Street/Harold Shodipo's Crescent. GRA. Ikeja

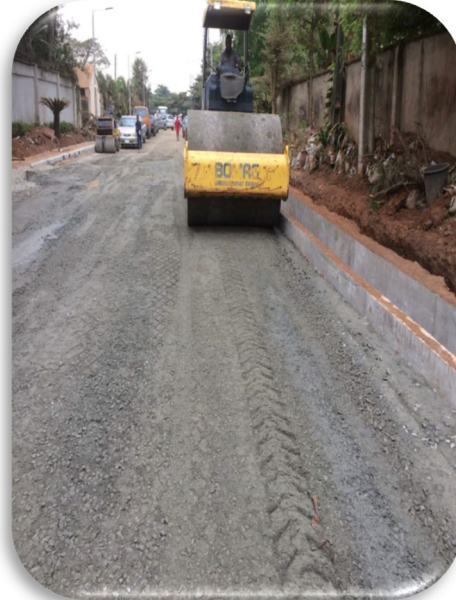
Location: Lagos, NIGERIA

Employer: Slava Bogu Nigeria Limited

ZEON's Role : Detailed Design and Consultancy

Year : 2017- 2018

Project Description: Construction of single carriageway, side drainage, walkways and Other ancillary works; Overall length= 1420m.



## 100k bpd Crude Oil Refinery Dismantling, Relocation & Colocation Project in Port Harcourt, Nigeria.

Location: Port Harcourt / Nigeria

Employer: MTL International Inc.

ZEON's Role: Frond End Engineering & Design (FEED)

Year : 2017 - 2018


Project Description: Project Management services pertaining to the ex-BP 100k bpd Crude Oil Refinery Dismantling, Relocation & Colocation Project in Port Harcourt, Nigeria.

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED	MANAGER
1	21.10.17	FCCU REPOSITIONED	AK	KB	AR	NL
0	18.10.17	INITIAL ISSUE	AK	KB	AR	NL

REVISIONS

PROJECT: **100kbpd REFINERY COLLOCATION AT PHRC FACILITY PORT HARCOURT-NIGERIA**

OWNER:



**MTL International Inc.**  
2425 West Loop South, Houston, Texas 77027, USA  
email: info@mtl-intl.com web: www.mtl-intl.com

APPROVED FOR CONSTRUCTION

DWG. REV. \_\_\_\_\_ DATE \_\_\_\_\_


SIGNATURE \_\_\_\_\_

CONTRACT NO. \_\_\_\_\_

THIS DWG SUPERSEDES \_\_\_\_\_

THIS DWG SUPERSEDED BY \_\_\_\_\_


OWNERS ENGINEER & PM:



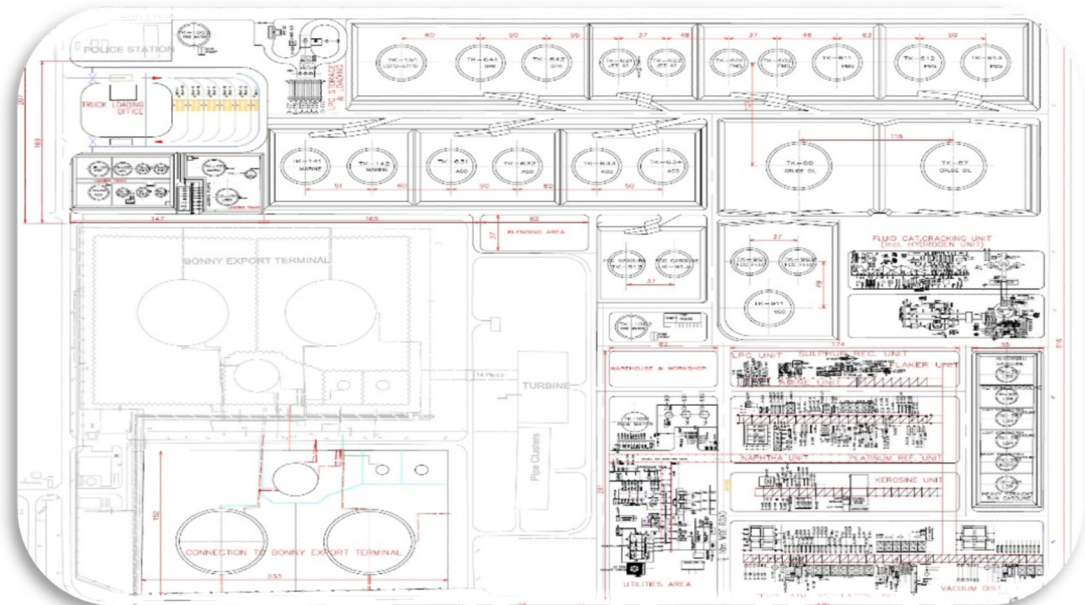
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DWG TITLE: **PRELIMINARY LAY-OUT PLAN**

SCALE: 1/1250

REV. 

DWG NO: **00-103**



## Spaghetti Flyover at Odukpani Junction

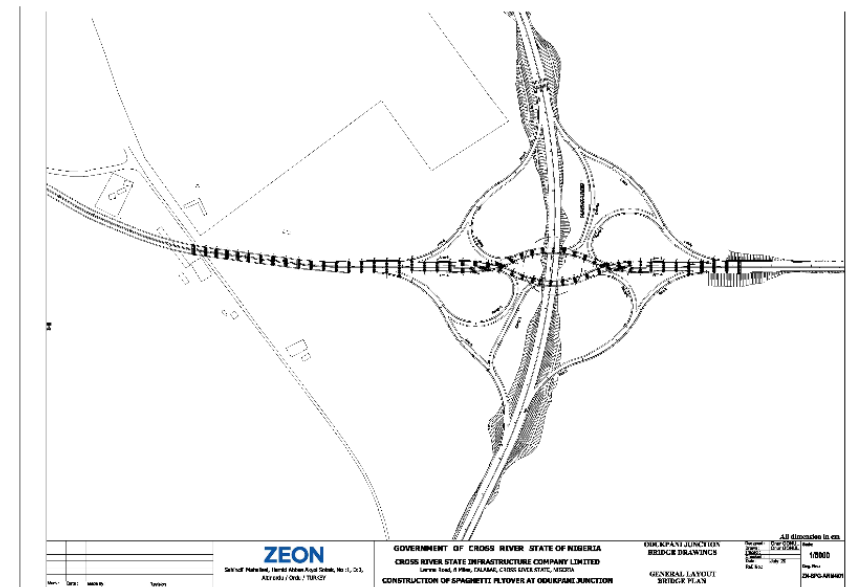
Location: Calabar, Cross River State. Nigeria

Employer: Government of Cross River State of Nigeria

ZEON's Role: Frond End Engineering & Design (FEED), Detailed Design

Year : 2018-2020

**Project Description:** The symmetrical junction involves the construction of thirteen flyover junctions on different sections of the highway. Lengths of the flyovers are; 726m, 726m, 605m, 605m, 617m, 617m, 300m, 300m, 300m, 300m, 280m, 280m, 650m with a total length of 6.306m. The elevated approaches to the flyovers will be supported by reinforced earth walls. Flyovers will be constructed with installation of precast prestressed concrete bridge beam technology which are manufactured in the factory. All foundations are supported by the piles.



## Crescent Island Bridge

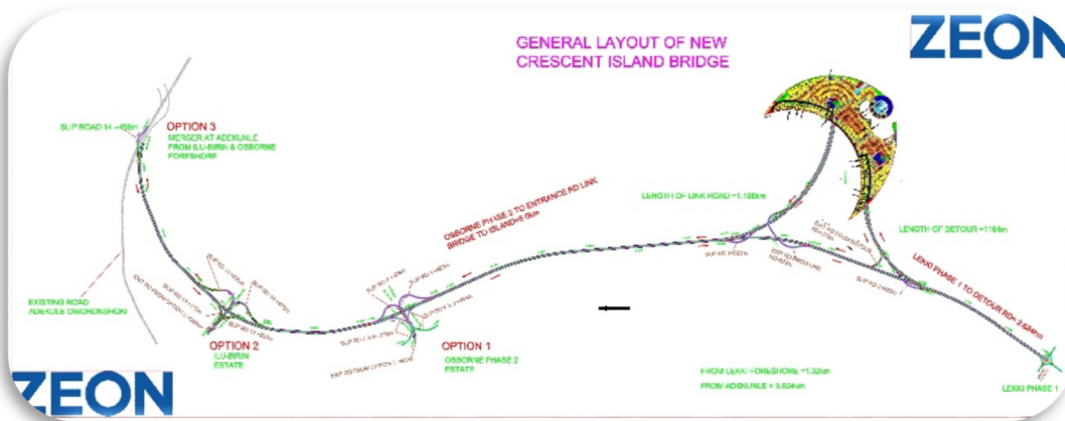
Location: Lagos / Nigeria

Employer: Private Business Firms

ZEON's Role: Preparation of the TOP-DOWN Method Statement (MS)

Year : 2018

Project Description: Preparation of concept projects and TOP-DOWN Construction methods of viaducts and intersections with a total length of approximately 15 km, all of which will be built on the water in order to provide access to the seminar like artificial island project of 150 hectares to be built on Lagos Lagoon in Lagos / Nigeria



## Ordu Melet River Cable Stayed Bridge

Location: Ordu / Turkey

Employer: Ordu Metropolitan Municipality Department of Projects and Survey Directorate of Infrastructure Projects

ZEON's Role: Preliminary Design and Feasibility Study

Year : 2019

Project Description: Melet Bridge is constructed over Melet River on the Ordu - Giresun State Highway. The Bridge, with 330 m total length and 220 m the largest span, is designed as cable-stayed with a single pylon of 80 m high. The deck cross-section will be orthotropic steel, while the superstructure of the bridge will be connected to the pylon with 42 tensioned cables.



## Ordu Melet River Extradosed Bridge

Location: Ordu / Turkey

Employer: Ordu Metropolitan Municipality Department of Projects and Survey Directorate of Infrastructure Projects

ZEON's Role: Preliminary Design and Feasibility Study

Year : 2019

Project Description: Melet Bridge is constructed over Melet River on the Ordu - Giresun State Highway. The Bridge, with 220 m total length and 100 m the largest span with 60m side spans 19m wide pi section deck with 2.5m constant depth is designed as cable-stayed. In addition to internal longitudinal and transverse post-tensioning, 2 x 4sets of 4 extradosedcables are provided above the deck at 7m pylons.



## Monorail Project

Location: Ordu / Turkey

Employer: Ordu Metropolitan Municipality Department of Projects and Survey Directorate of Infrastructure Projects

ZEON's Role: Detailed Design and Feasibility Study

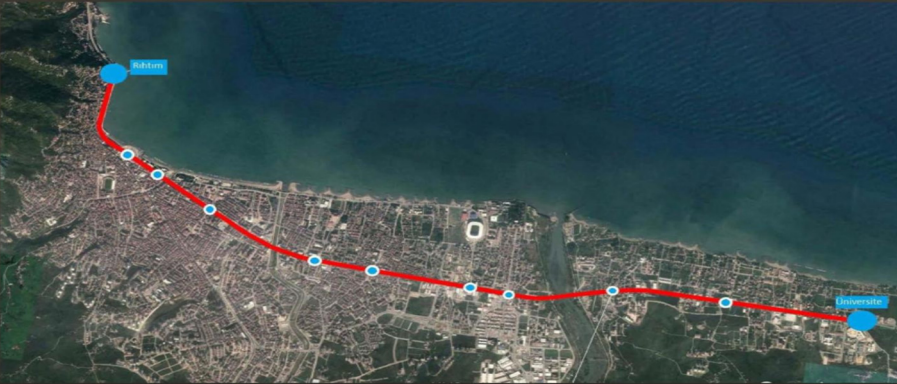
Year : 2019

Project Description: Ordu Port - Ordu University Monorail line is 9.25 km. Project comprises of 11 stations, total tour time 48 minute, Operation & Maintenance Center and Depot Area.



## 12.Ordu, Rıhtım - Üniversite Monoray Hattı

ZEON  
engineering & consulting



## Melet River Bridge

Location: Ordu / Turkey

Employer: Ordu Metropolitan Municipality Department of Projects and Survey Directorate of Infrastructure Projects

ZEON's Role: Preliminary Design and Feasibility Study

Year : 2019

Project Description: The Melet River Bridge, consists of a total of 110 mt length, 8 openings, total width of 10 m.



## Reconstruction / Upgrading of Onikan Stadium

Location: Lagos, NIGERIA

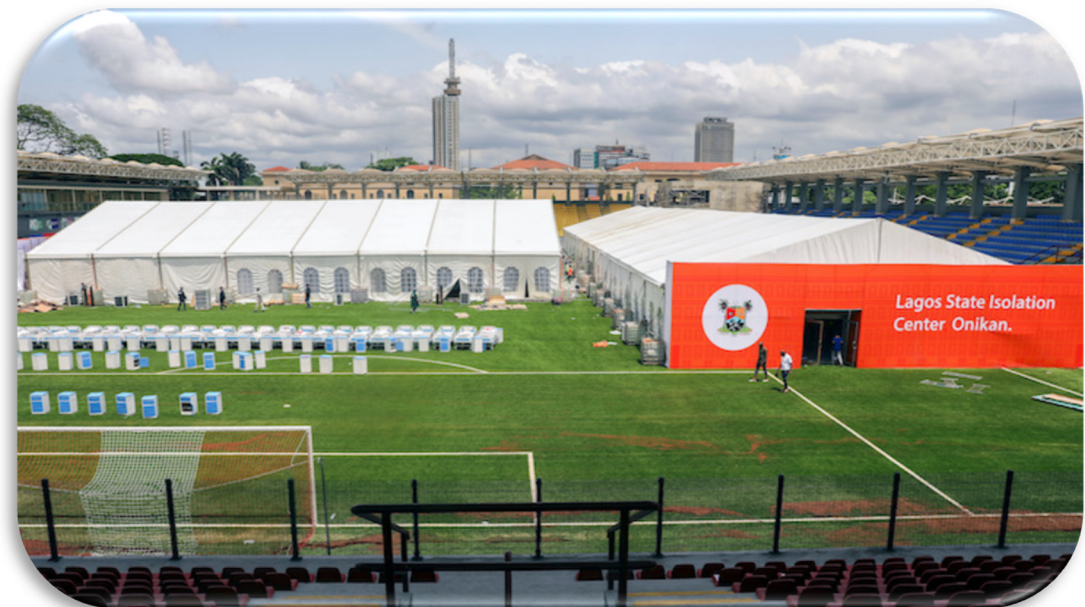
Employer: Slava Bogu Nigeria Limited

ZEON's Role : Detailed Design and Consultancy

Year : 2018- 2020

Project Description: Stadium design and construction and other ancillary works.

Project Completion Period: 24 Months.



## Construction of 400 rooms 5-star hotel and 60 luxury suites on BOT or PP, GAMBIA

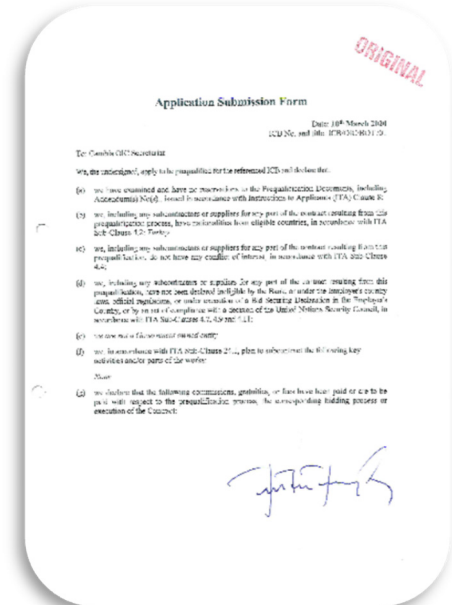
Location: Bijilo / Gambia

Employer: Ersan İnşaat Proje Turizm Sanayi ve Ticaret A.Ş.

ZEON's Role: Preparation of the Prequalification Documents (PQ)

Year : 2020

Project Description: Construction of 400 rooms 5-star hotel and 60 luxury suites on BOT or PP



## Construction of Anglophone West Africa Regional Office and Trade Centre

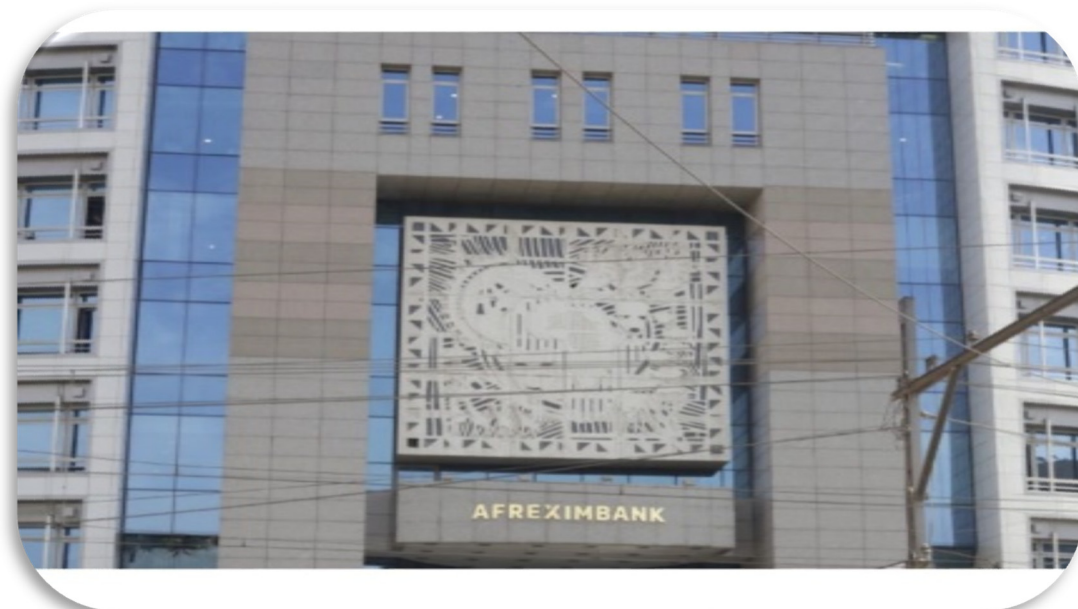
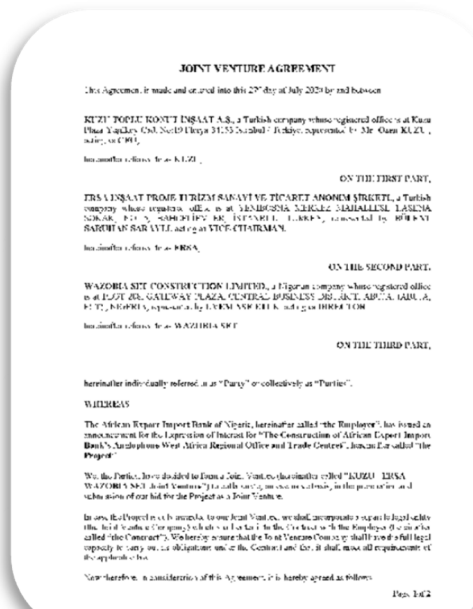
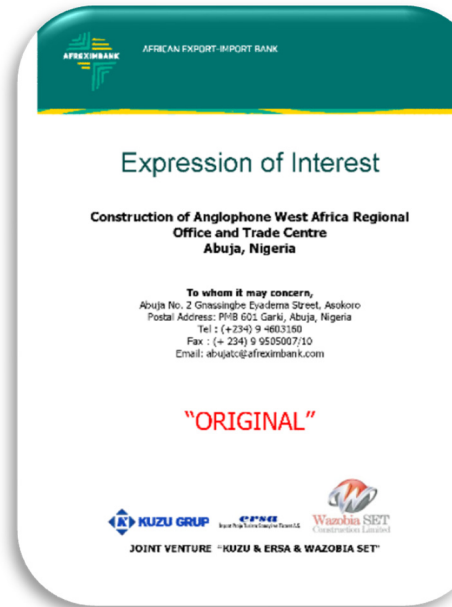
Location: Abuja, Nigeria

Employer : KUZU GROUP – ERSÄ – WAZOBIA SET JV

ZEON's Role: Preparation of the Expression of Interest (EOI)

Year : 2020

**Project Description:** The 17575 sqm iconic mixed-use business complex shall provide an integrated one-stop-shop for trade facilitation and information services and trade finance and offer a range of facilities: corporate office space, conference and exhibition centre, innovation and incubation hub, hotel, retail etc.



## Construction of Sheraton Nouakchott

Location: Nouakchott / Mauritania

Employer: Ersu İnşaat Proje Turizm Sanayi ve Ticaret A.Ş.

ZEON's Role: Preparation of the files to be submitted in the tender

Year : 2020

**Project Description:** Basement level for MEP and service areas, six upper floors housing 167 guest rooms, 33 suites, and a presidential suite, and a podium of two floors. The podium comprises the main entrance lobby in addition to restaurants, fitness facilities, retail shops, meeting rooms, and banquet halls.



الشركة الوطنية للصناعة والمناجم  
SOCIÉTÉ NATIONALE INDUSTRIELLE ET MINIERE  
Toussaint Edouard et le Commerce Interieur de l'Etat 1, Centre Commercial de l'Industrie

SOCIÉTÉ NATIONALE INDUSTRIELLE ET MINIERE  
(S N I M)

Travaux de finition et de décoration intérieure de  
l'Hôtel 5 étoiles Sheraton de Nouakchott

Monsieur Ahmed Ould Mohamed Ahmed  
Directeur Des Projets  
SNIM - B. P42, Nouadhibou - MAURITANIE  
Tel. (222) 45 74 16 69  
Email: a.mahmed@snim.com  
Reference: AO DDRDM N° 007/2019

**Volume A : Offre Financière**  
**Volume B : Offre Technique**

« A ne pas ouvrir avant la date et l'heure limite de l'ouverture des Offres »

ersu

Inşaat Proje Turizm Sanayi ve Ticaret A.Ş.

ERSU İNŞAAT PROJE TURİZM SANAYİ VE TİCARET ANONİM ŞİRKETİ  
Mehmetçik Mahallesi, 1. Etage Kat: No: 10, Bahadurkale, İZMİR, Türkiye

الشركة الوطنية للصناعة والمناجم  
SOCIÉTÉ NATIONALE INDUSTRIELLE ET MINIERE  
Toussaint Edouard et le Commerce Interieur de l'Etat 1, Centre Commercial de l'Industrie

### Liste Des Pieces

#### Volume A : Offre Financière

- Pièce No 1 : La lettre de soumission complétée et signée  
Pièce No 2 : Les bordereaux globaux et détaillés des prix

#### Volume B : "Offre Technique"

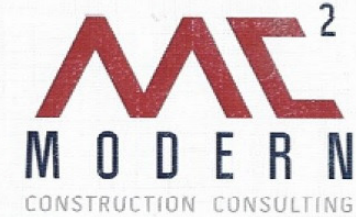
- Pièce No 1 : La lettre d'engagement remplie et signée  
Pièce No 2 : Le registre de commerce du candidat  
Pièce No 3 : L'attestation de non faillite et non liquidation judiciaire  
Pièce No 4 : La caution de soumission  
Pièce No 5 : Le bilan certifié pour les trois dernières années  
Pièce No 6 : Document prouvant la capacité financière  
Pièce No 7 : Un document de présentation de la société  
Pièce No 8 : Expérience générale  
Pièce No 9 : Expérience spécifique dans les projets similaires  
Pièce No 10 : Liste des moyens matériels  
Pièce No 11 : Une note méthodologique détaillée pour l'exécution des travaux  
Pièce No 12 : Le planning d'exécution des travaux  
Pièce No 13 : La liste du personnel à affecter aux travaux



# OUR CERTIFICATES



Fédération Internationale des Ingénieurs-Conseils  
International Federation of Consulting Engineers  
Internationale Vereinigung Beratender Ingenieure  
Federación Internacional de Ingenieros Consultores



This is to certify that


**Onur Gönül**

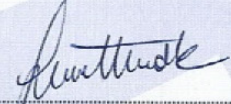
has successfully completed the FIDIC Training Seminar on

**“1999 FIDIC Conditions of Contract  
with Special Emphasis on DESIGN-BUILD CONTRACTS”**

*22-23-24 May 2013 in Istanbul, Turkey*

organized by **MC<sup>2</sup> MODERN Construction Consulting** in association with **FIDIC**.

  
.....  
**Dr. Götz-Sebastian HÖK**  
Accredited FIDIC Trainer

  
.....  
**Levent IRMAK**  
FIDIC Trainer, MC2 MODERN

# ZEON

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