



Company Profile





01. THE COMPANY

History
Structure
Achievements
Quality
Software
Main Clients
Core Competence

02. FIELDS OF EXPERTISE

03. EXPERIENCE SNAPSHOTS

Major International Infrastructure Projects
Major Greek Infrastructure Projects
Project Management Services
Major Mining Projects

04. VISION



01. The Company



HISTORY - PHILOSOPHY



- Civil & Structural Engineering
- Geotechnical Engineering
- Tunnelling Engineering
- Mining Engineering
- Independent Engineering & Construction Follow Up
- Tender Documents, Procurements & Permitting
- BIM Concept & Implementation
- Project Management

Founded since



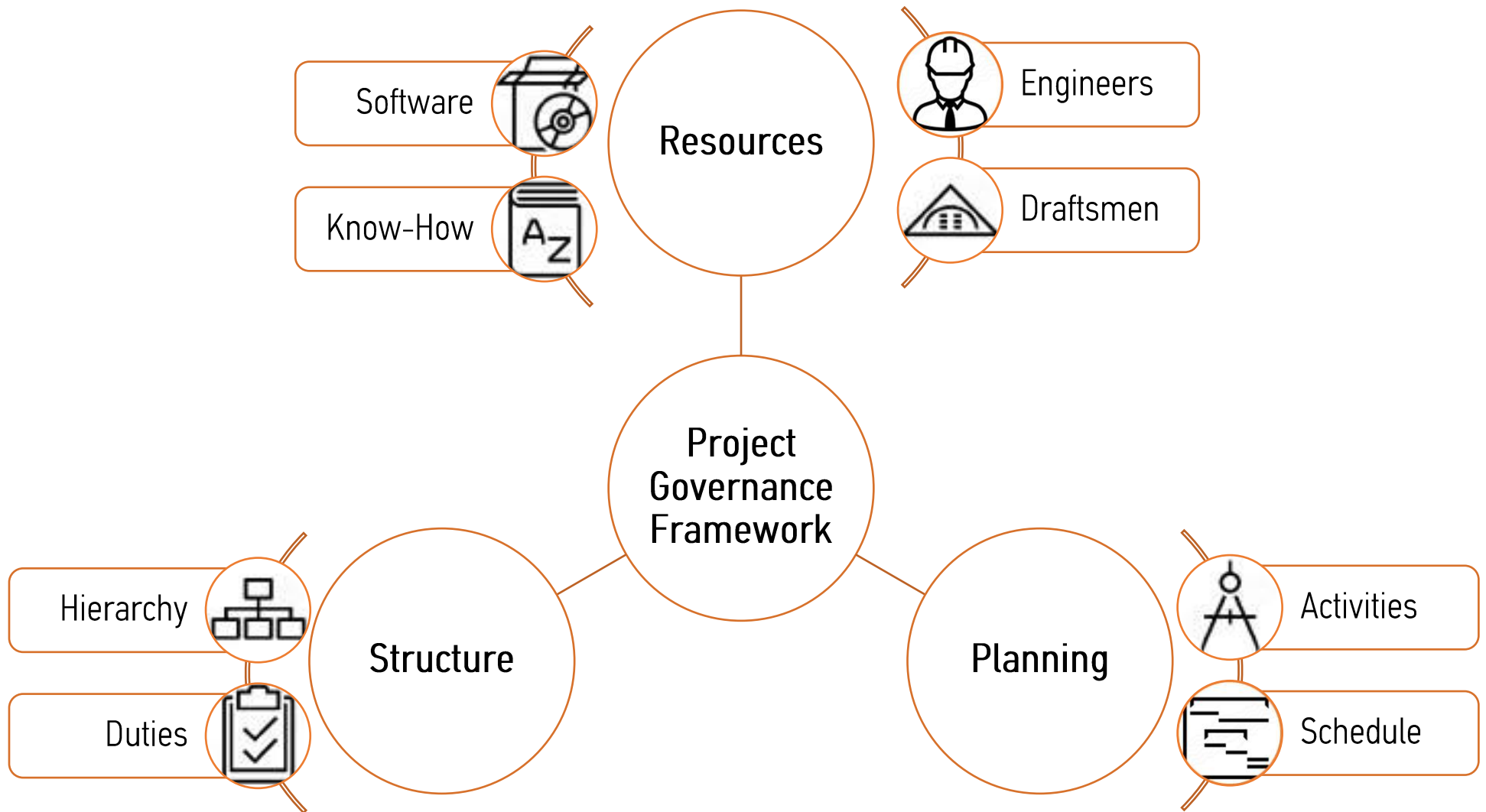
projects

❖ **Complex Engineering**

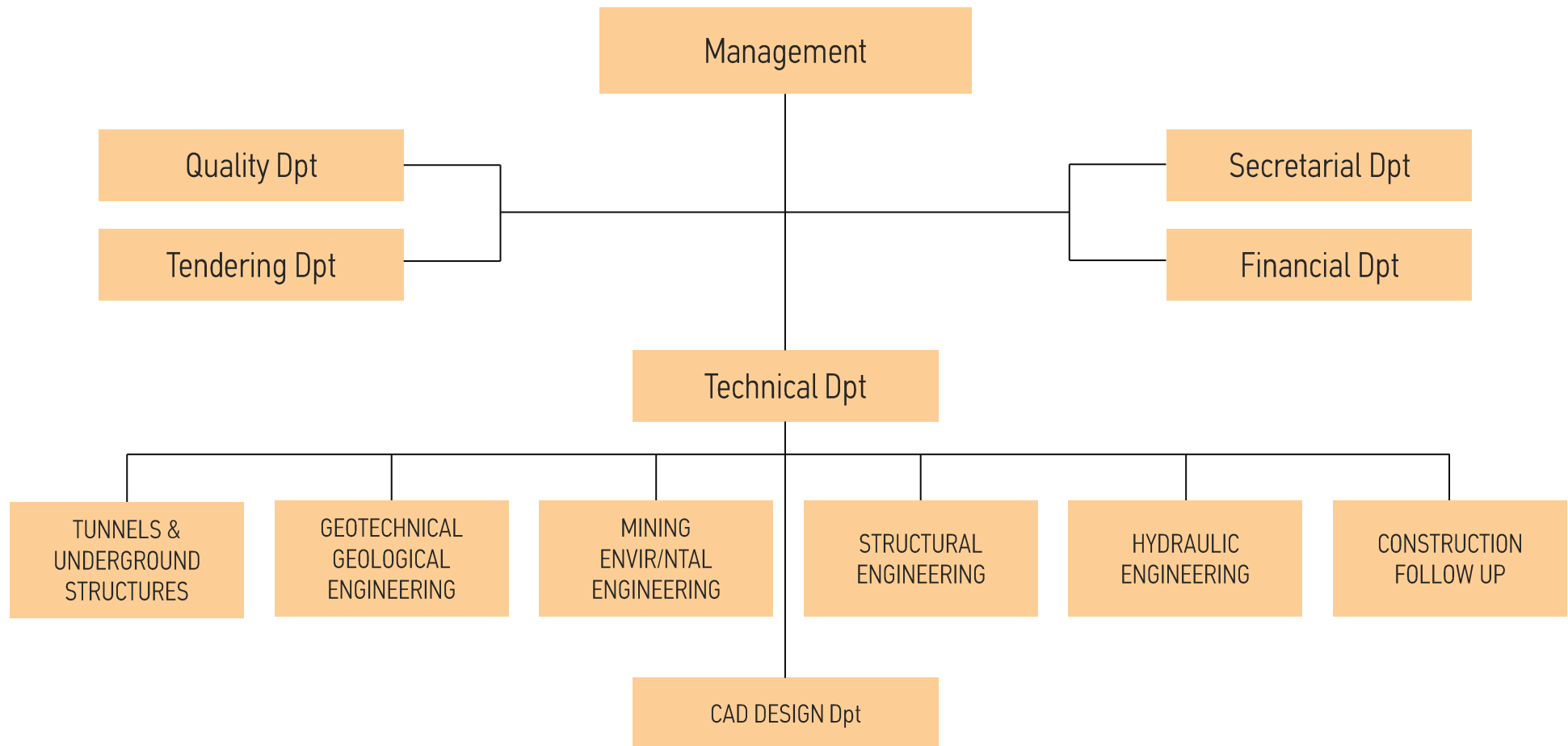
❖ **Design & Project Management Services**

❖ **Major Infrastructure and Mining Projects either in Greece or abroad**





STRUCTURE





**Consulting
services in
more than 15
countries**

UAE, Albania, India, Qatar, Bulgaria,
Serbia, Montenegro, Venezuela,
Israel, Germany, Romania, Cyprus,
Slovakia, FYROM, Lithuania, Russia,
Ethiopia, Ghana

Originally based in Athens,
Greece but with branch
offices also Romania, India,
UAE

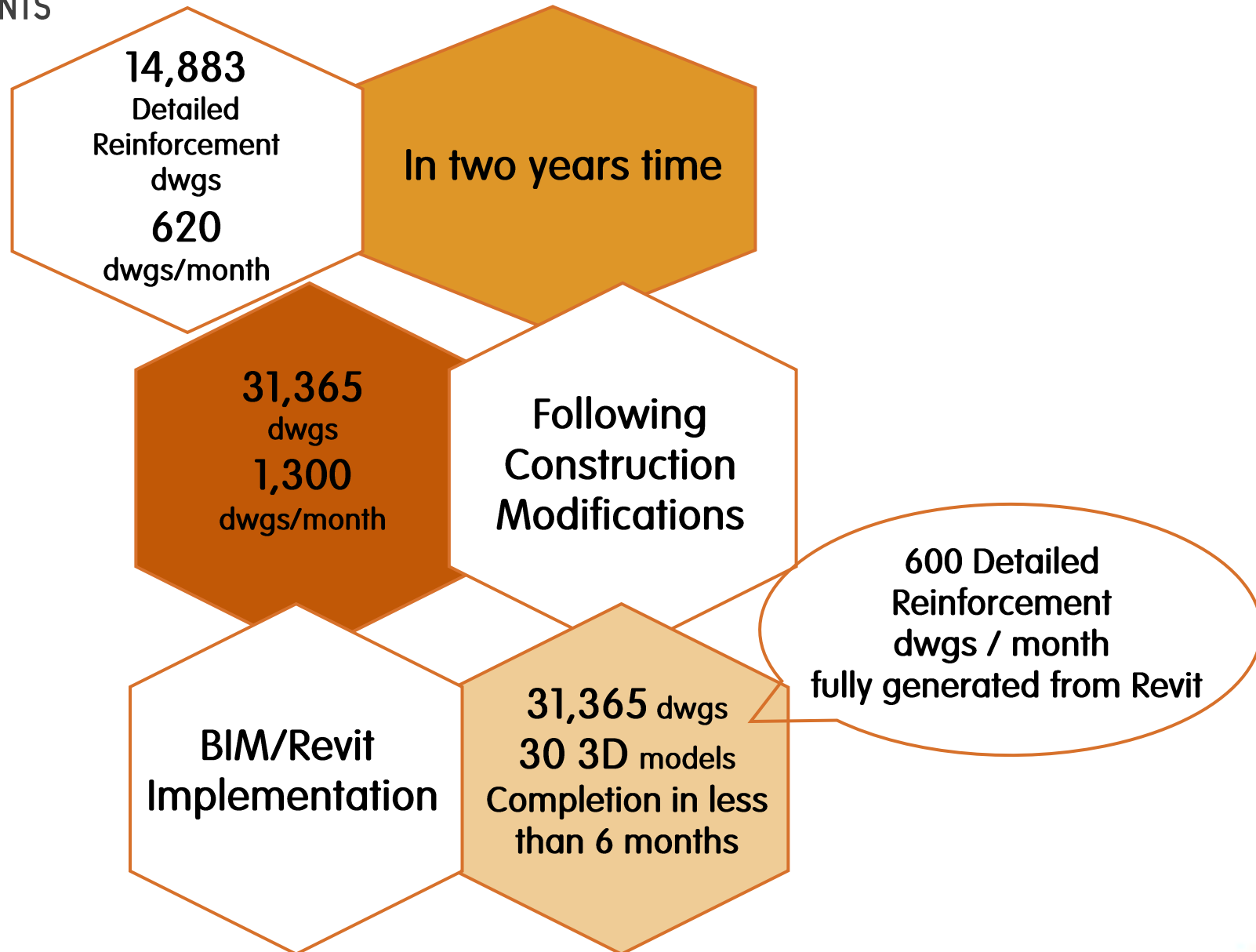
**50
employees**



**Turnover
8 M €
annually**



ACHIEVEMENTS



QUALITY



PROFESSIONAL LIABILITY



Min. Indemnity Limits:

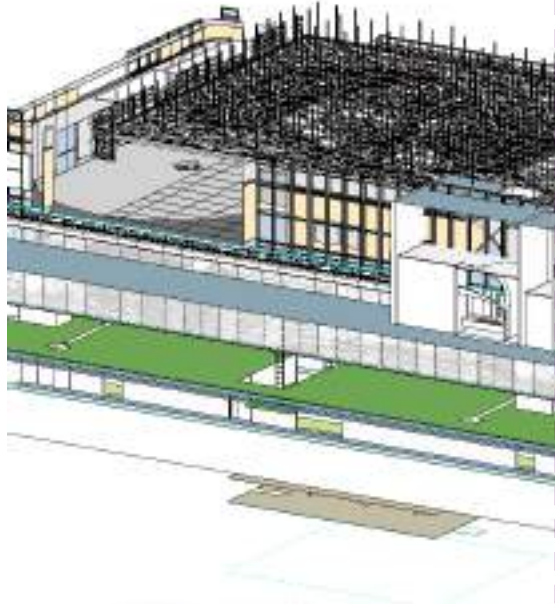
- 1 M.€ (per event)
- 2.5 M. € (in the aggregate)

SOFTWARE

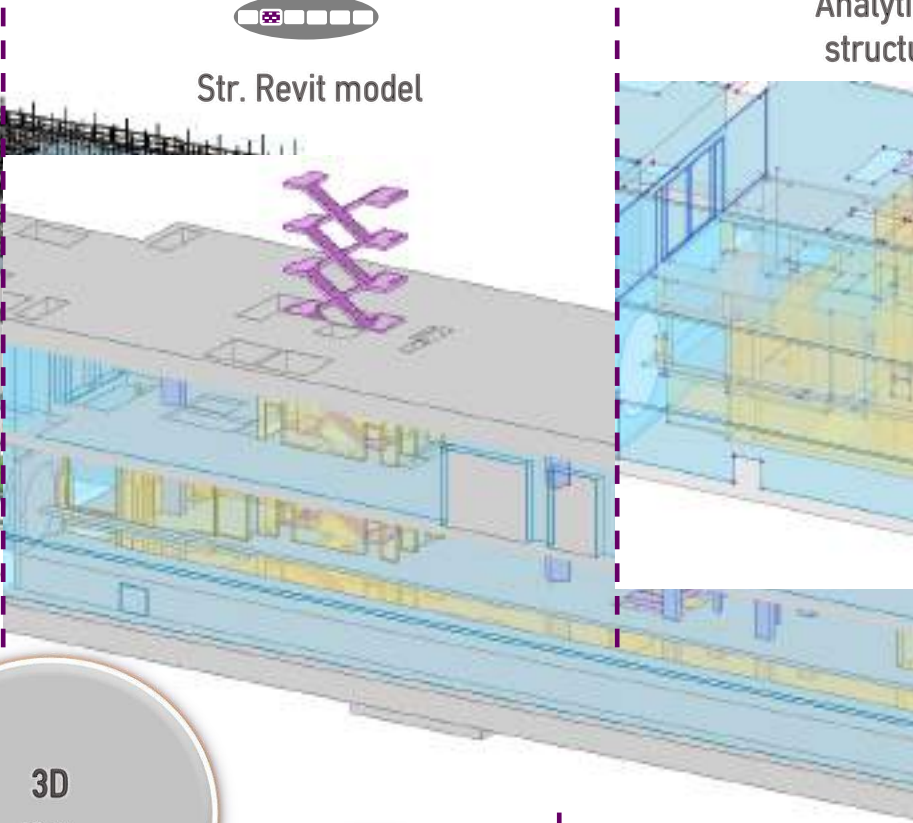
Sofistik
Midas Gen
Key
Robot Structural Analysis
Tekla
SCIA Engineer
Advance Steel
Larix
Fides
Revit Structure
Flac 2D, 3D
Wintube
Wedge
Unwedge
Sofius
Slide
Rocplane
Rockfall
Phase
AutoCAD
Auto CAD Civil 3D
Autodesk Bridge Design
AutoDesk Robot
MS Office



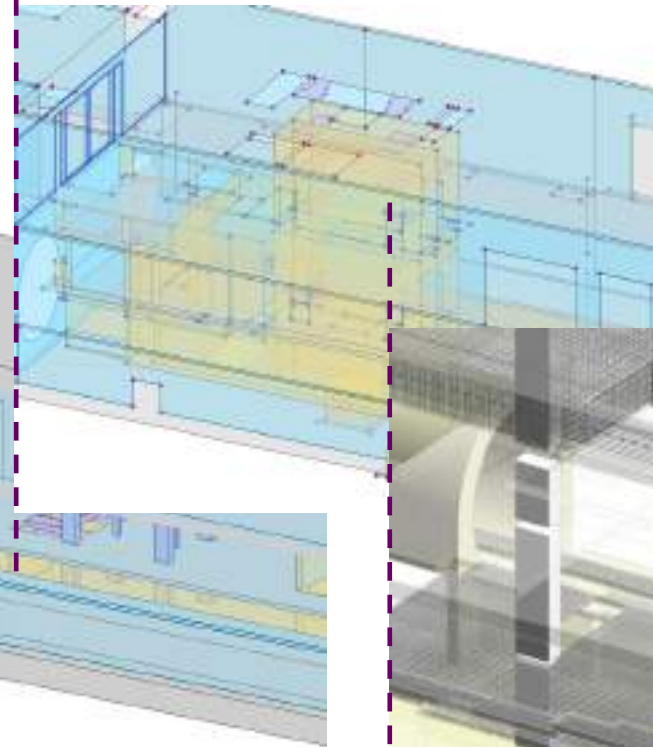
Arch. BIM model



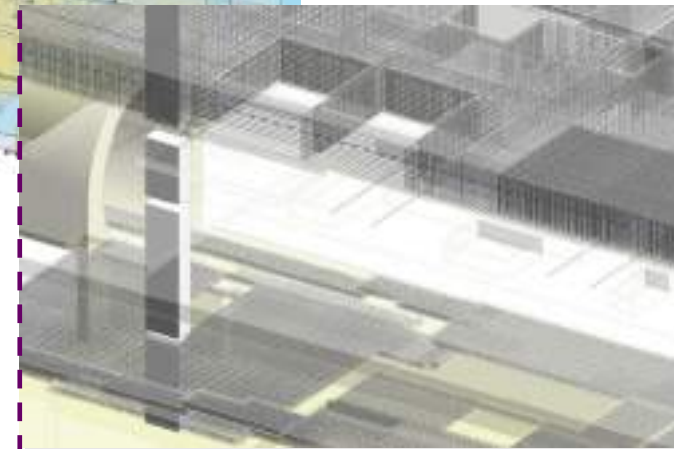
Str. Revit model



Analytical model for structural analysis



3D Reinforcement model



Introduction of different types of deliverables

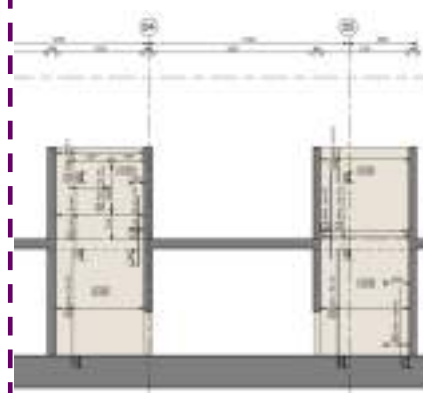
3D pdf files

Drawings of excellent quality

model navigation tools

comprehension of complicated structures

2D Drawings for submission



BoQ Table for reinforcement

L 02-06 SECTION 2 FF1-FF3						
Length of reinforcement (m)	Quantity	Total Bar Length (m)	Shape	Shape Image	Weight (kg/m)	Weight (kg)
4000	126	505200	21		1.58 kg/m	797116 kg
1200	38	45600	21		1.58 kg/m	71988 kg
1100	11	12100	21		1.58 kg/m	19438 kg



Cultivating relationships based on trust and honesty with the belief that this approach creates win-win partnerships

MAIN CLIENTS



OK has succeeded in entering and stepping a strong foot in the new “era” of megaproject management and execution



02. Fields of Expertise



What we do

Key Activities

Conceptual Design

Feasibility

Planning/Predesign

Detailed Design

Project Management Services



Tunnels



Metro



Rail



Highway



Water-Hydro



Mining



Industrial Plants
& Buildings



Construction
Follow-Up



Consultancy –
Expert Advice



VALUES AND VISIONS



Understanding



Client Focus



Adaptability



State of the art
services

-

Win-Win
Partnerships

Excellence




Resources



Structure





Tunnels and underground works (metro, railway, highway and hydraulic tunnels)

- Preliminary design, final and execution design
- TBM or NATM methodology
- Planning

- Alignment selection and optimization
- Documentation and construction supervision of tunnels
- Metro stations

Geotechnical and geological engineering

- Subsoil improvement, surface and underground support
- Stability analysis

- Rock mass monitoring
- Rock and soil mass behaviour analysis
- Geological and geotechnical mapping and evaluations

Structural designs

- Bridges
- Buildings and industrial developments

- Strength evaluation - Rehabilitation design of infrastructure and buildings





Mining Studies – Environmental Designs

- Orebodies evaluation and analysis
 - Design of surface and underground mines
 - Geotechnical evaluation
 - Project management
 - Mine investment analysis
 - Mining methods
- Mine support
 - Mine safety and health
 - Mine development
 - Mine ventilation
 - Landscape rehabilitation
 - waste disposal areas

Procurement Services – Special Consulting Services – Construction Supervision & Follow Up



03. Experience Snapshots



03. Experience Snapshots

Major
International
Infrastructure
Projects



United Arab Emirates



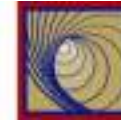
Dubai – Fujairah Freeway
Slope Stability Audit
—
Slope Stabilization and Rockfall Protection Design



Dams in various locations in UAE
Recharge Dams and Flood Protection Works



QATAR - DOHA



Doha Metro Gold Line Underground

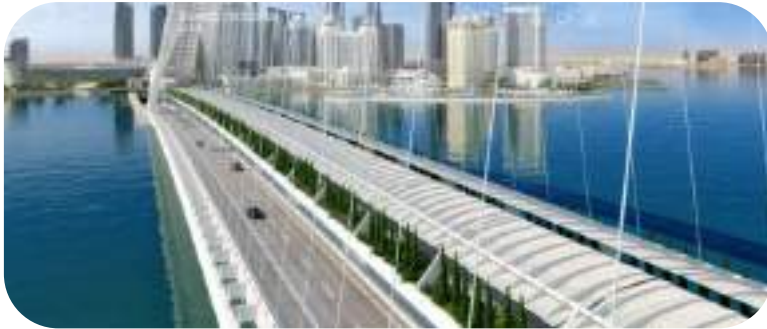
1. Detailed geotechnical – structural designs & provision of special consultancy services for metro stations
2. Detailed geotechnical – structural designs & provision of special consultancy services for tunnels
3. Detailed geotechnical – structural designs & provision of special consultancy services for subways & underground structures
4. Detailed geotechnical – structural – guideline reinforcement drawings – BIM/Revit design & production of 3D reinforcement guideline dwgs of design only stations & subways



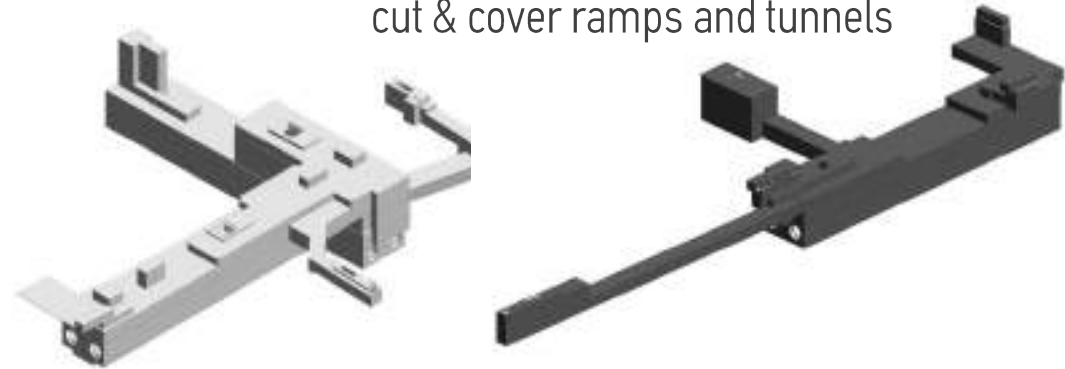
QATAR - DOHA

Tender predesigns for:

1. **Al Sharq Crossing** (formerly Doha Bay Crossing) a major traffic connection linking the Airport area with the West Bay



2. **Doha Metro Green Line Extension**
Tender predesigns metro stations, cut & cover ramps and tunnels

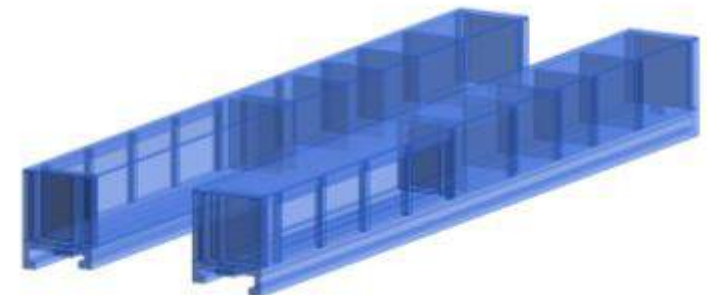
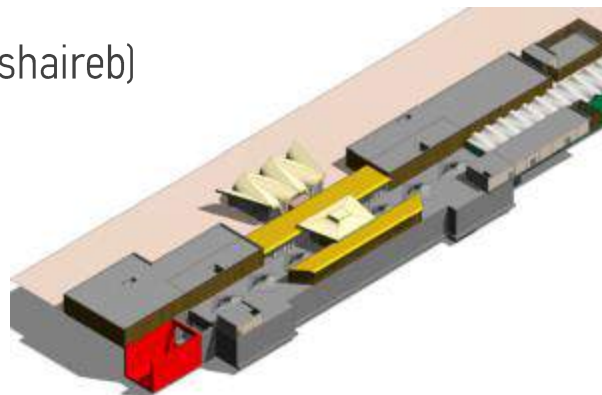


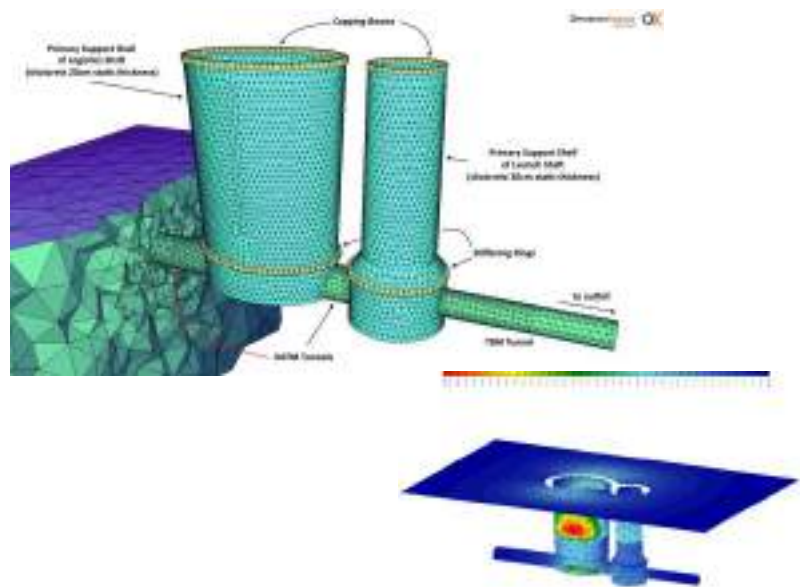
4. **Doha Metro Red Line North Extension**

Tender predesigns for Metro Station, Stabling Yard, 10 ITPS/SPS Buildings, 39 Emergency Exit Facilities, and at grade section

3. **Gold Line Underground**

Tender predesigns for
2 flagship stations (Education city, Mshaireb)
14 twin bore tunnels-35km
65 pedestrian cross passages
14 UG stations
15 Pedestrian/Ventilation Tunnels
4 switchboxes





Musaimeer Pumping Station and Outfall

Check and Review of the detailed final design for the temporary retaining system applied at the excavation of two (2) shafts approximately 43m deep. The two shafts constructed by the sea for the excavation commencement of a hydraulic tunnel (TBM) below the sea level,



Numerous offers for the detailed design & consulting services in Qatar/UAE regions for the following projects:

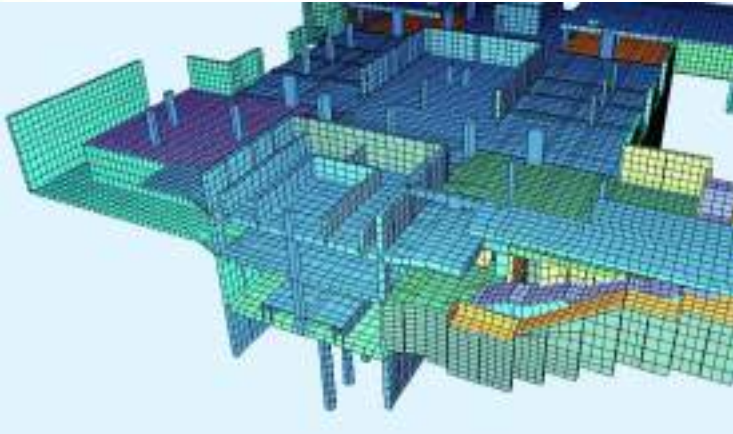
1. Falcon 1 project Al Udeid  **GET** GENERIC ENGINEERING TECHNOLOGIES W.L.L.
جنيريك انجنيئرنگ تكنولوجيز والتمويلات د.م.م.
2. Al Widyan Development - Infrastructure interchange 1 & 2
3. Stage 2 Etihad Rail Network, Con. No. C0308, Package 2d – Design & Build Contract Sharjah to Fujairah
4. Prince Sultan Street Extension and Its Intersection with King Abdul-Aziz Road Leading to Raghadan Park
5. Clinic Medical Unit in ISF Development camp in Duhail  **AL JABER**  **AKTOR**
6. E Ring Road - North/South Link P008-C2 In Doha, Qatar  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP**  **GIP** **GIP**



India DELHI Metro

Prebid engineering and detailed design for “DMRC Package CC-23 – Delhi Metro Project”
8 km TBM metro tunnels // 0.2 km NATM metro tunnels // One (1) UG metro station // One (1) building
JV FEMV - PRATIBHA





India JAIPUR Metro

Tender Predesigns & Detailed Design of

Two (2) TBM tunnels
(2x2,17km)

Two (2) underground metro
stations

Two (2) C&Cs

Two (2) shafts

of the Jaipur Metro Project on
East-West Corridor of Jaipur
Metro (Stage 1B) at Jaipur,
Rajasthan

CEC INT'L CORP INDIA PVT. LTD





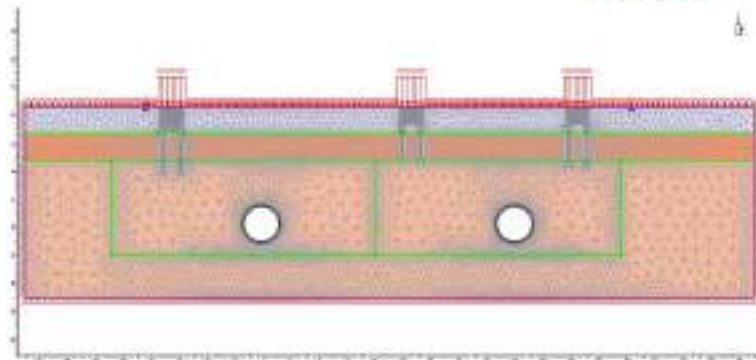
India – MUMBAI Metro Line 3, Package 5

Detailed designs for JV J. Kumar
Infraprojects Ltd./ China Rly No.3
Engg Group

Services include detailed designs
for:

- Two (2) TBM tunnels ~8km
- Four (4) Underground Stations
- NATM sections
- One (1) Mid-Ventilation Shaft
- BIM/Revit





India – MUMBAI Metro Line 3, Package 7

Evaluation and verification of the impact on existing viaduct of Line 1 of Mumbai Metro due to the under-passing of TBM tunnel of Metro Line 3

Mumbai Metro One Private Limited Joint Venture

India DELHI Metro

Archaeological Impact Assessment Study for ancient monuments/structures of Delhi Metro Phase IV due to the construction of at grade and cut & cover stations and of TBM bored tunnels for metro

Delhi Metro Rail Corporation Limited India (DMRC)





DELHI Metro / DMRC – CC04 Contract

Mukundpur – Yamuna Vihar corridor of MTRS project of Phase III

Technical Consultancy Services and Detailed Design of:

- Revalidation review and repair of the segmental design and of the TBM tunneling (two tubes – 2* 1.15km)
- Ten (10) cross passages (NATM)
- Construction impact/building protection cross passages and tunnel drive
- Design of Rescue Shaft
- Design of Emergency Escape Shaft

for the CC04 Metro Project of Delhi Metro Phase III,
CEC – CICI JV



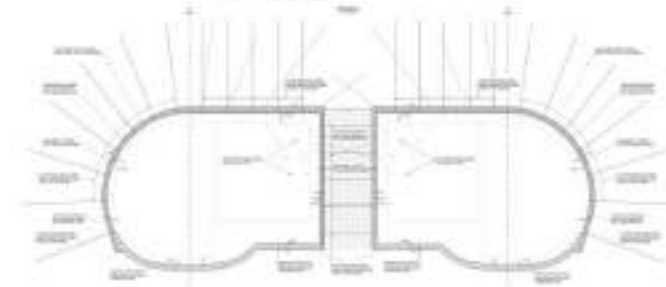
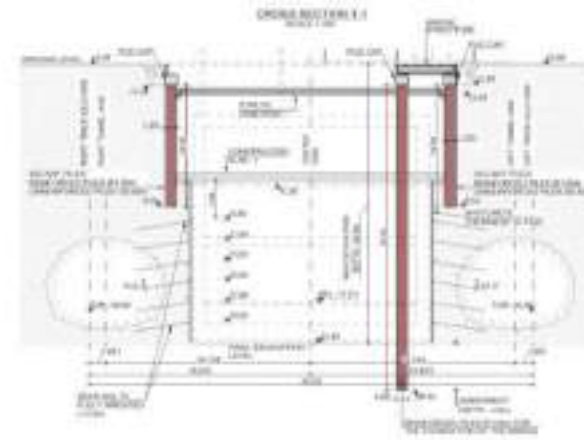
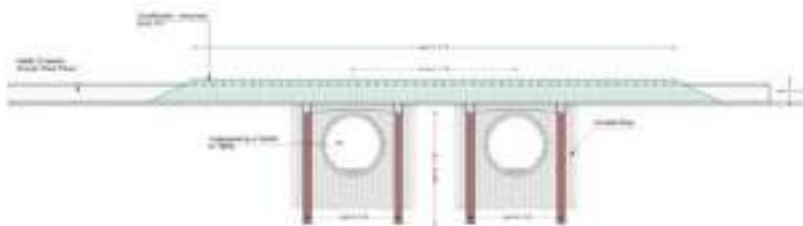
India Prebid Engineering & Tender Predesigns for “MMRC Mumbai Metro Line 3”

Packages 1, 2, 3, 5, 6, 7

JV J. Kumar Infraprojects Ltd./ China Rly No.3 Engg
Group

Services included tender predesigns for:

- Twenty four (24) underground stations
- Six (6) including NATM parts due to surface space restrictions
- 20 km of TBM tunneling and associated NATM tunnelling parts



LUCKNOW Metro Tunnels & Stations Prebid Engineering & Tender Predesign for Lucknow Metro Contract LKCC-06 (Stations, TBM, C&C & Ramps) Lucknow / Larsen & Toubro Construction (L&T)

Services included tender predesigns for:

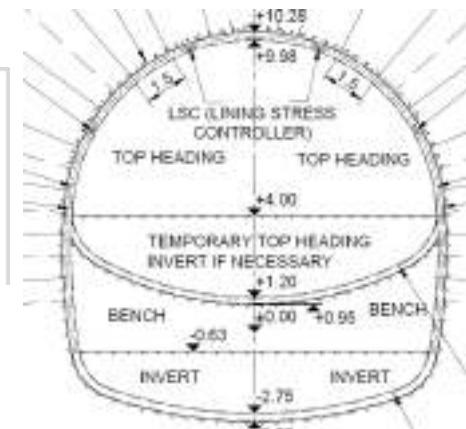
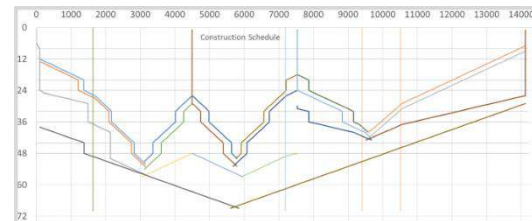
- Two (2) underground stations
- 3.7 km (2*1.8km) of twin bore TBM tunneling and associated NATM tunneling parts
- Under-passing of Hyder Ali Canal by the TBMs
- Two (2) ramps
- Two (2) C&C tunnel portions



Pre-bid Engineering & Tender Design Consultancy Services for “Zojila” Tunnel in Jammu & Kashmir Reliance Infra. Ltd – Dogus Construction

Services included pre-bid design services for:

- 14.1 km single tube road tunnel (two traffic lanes in bi-directional traffic) with NATM construction.
- 14.2 km parallel egress tunnel with NATM construction.
- 2 intermediate shafts (dia=14 m, depth=850 m) with drill and blast construction.
- Intermediate shaft (dia=6 m, depth=210 m) with “raise boring”.
- 3 ventilation caverns ($A_{\text{excav}}=185 \text{ m}^2$, $L=35 \text{ m}$)
- Portals at elevation approx. 3000 m
- Portal structures, shaft ventilation structures.
- Techno-economical evaluation of tunnel construction activities.
- BOQs and Cost Estimate (rate analysis).
- Risk assessment.
- Design and Construction Specifications
- Construction schedule abiding by seasonal work due to weather conditions.



Construction budget approx. € 1.00 Billion

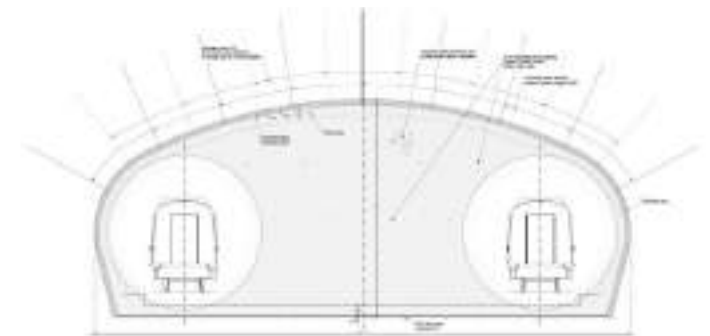
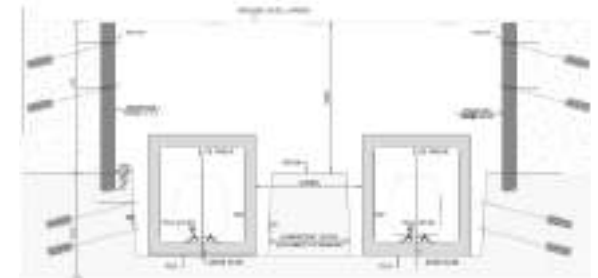
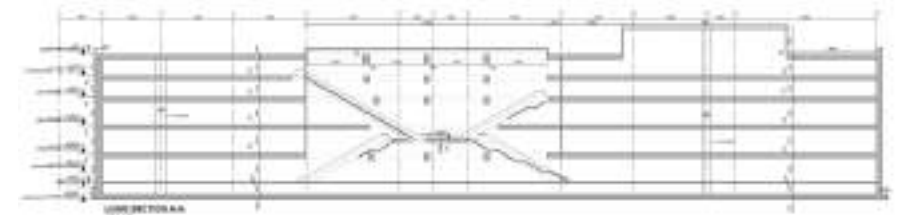
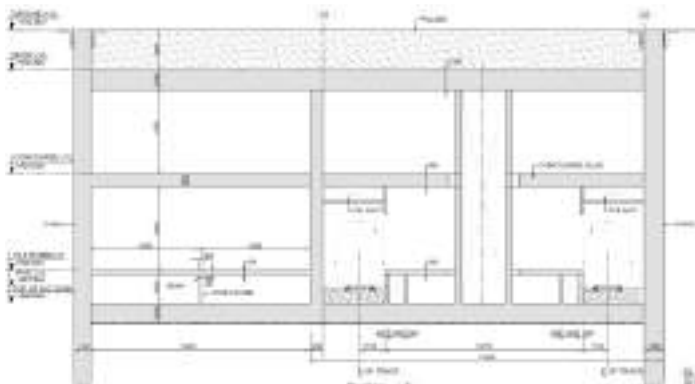
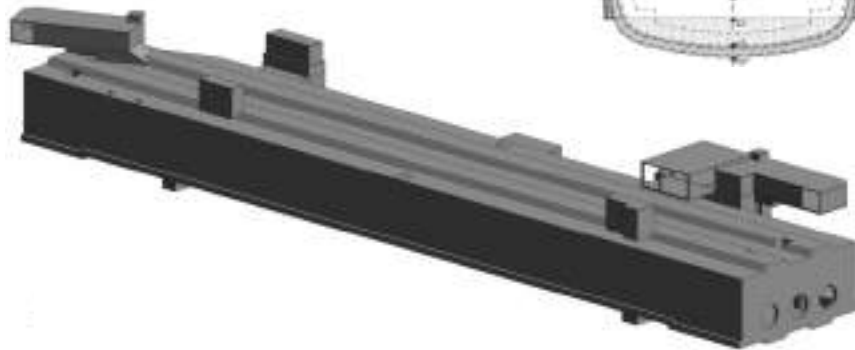
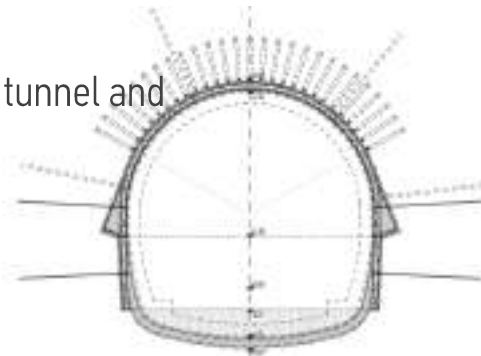


Metro tunnels & stations, Bangalore, India

Prebid Engineering & Tender Predesign for Bangalore Metro Rail Project, Phase-2, contracts RT-02 & RT-03

Services included tender predesigns for:

- Five (5) metro stations
- 9.2 km of TBM tunneling
- 0.1 km of stabling NATM tunnel and
- TBM retrieval shaft



Metro tunnels & stations, Pune, India

Prebid Engineering & Tender Predesign for Pune Metro Line 1 UGC-01 (Stations, TBM, NATM, C&C & Ramps)

Services included tender predesigns for:

- Two (2) stations
- 5.8 km of TBM tunnelling
- 0.4km of underground ramp and
- 0.4 km of C&C sections



India

On Site Geological Mapping Services for “Kiratpur Nerchowk Tunnels” M/s ITNL



Other Involvements in India:

- Targeted tendering for “Sivok- Rangpo tunnels” 6 km tunnels, IRCON International
- Targeted tendering for “Kalanagar underpass tunnels in Mumbai” (2.6 km Urban tunnels), MMRDA

Prebid Engineering for
Delhi Metro Project / DMRC package CC-34
(8.5 km TBM Metro tunnels)
JV CEC-CICI



Albania



Krrabe tunnel

Detailed geological, geotechnical, structural, hydraulic designs for a 5km tunnel



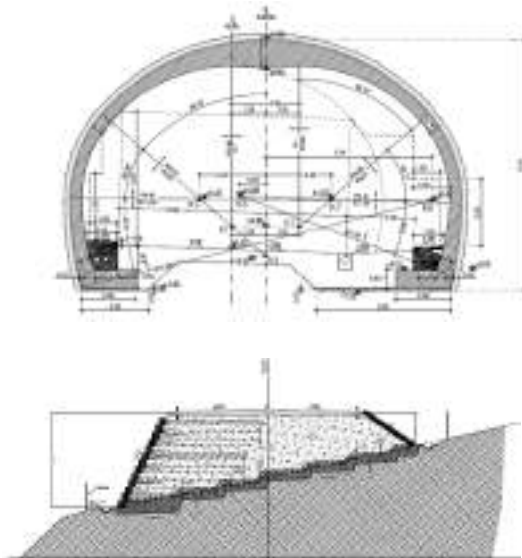
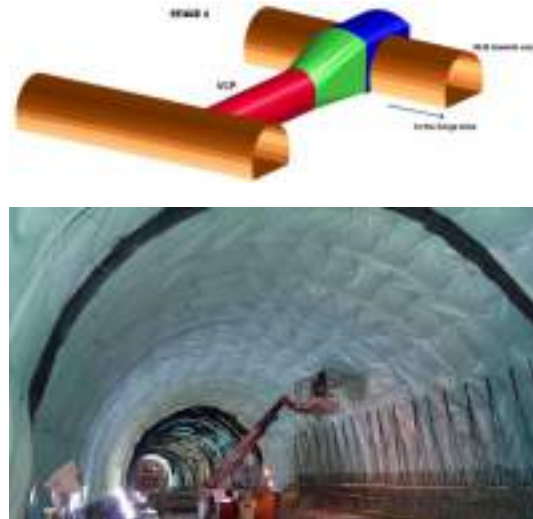
Tirana – Elbasan Roadway

Highway Earthworks, Retaining Structures, Culverts, Hydraulic Works



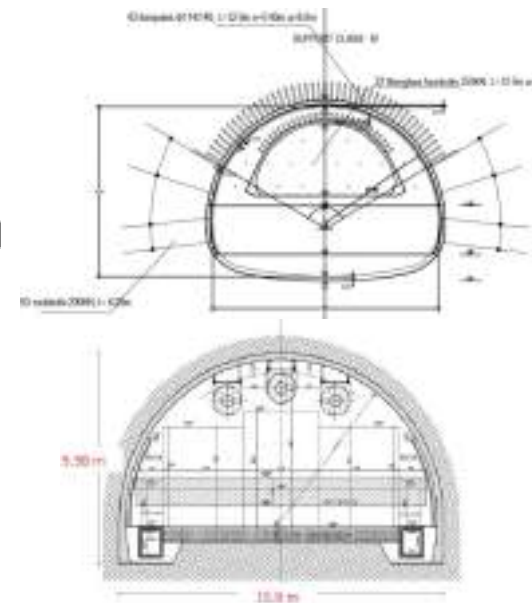
Skopje, Demir Kapija-Smokvica Motorway, Section of European Corridor 10 & Part of the National Road M-1 (E-75)

RockFill Highway Embankments & Protection - Slope Support Works - Twin Bore Highway Tunnel T1



Romania

**Tunnels & Earthworks
(Cuts & Embankments)**
of the Comarnic – Brasov
Motorway
(Tender design)



Israel

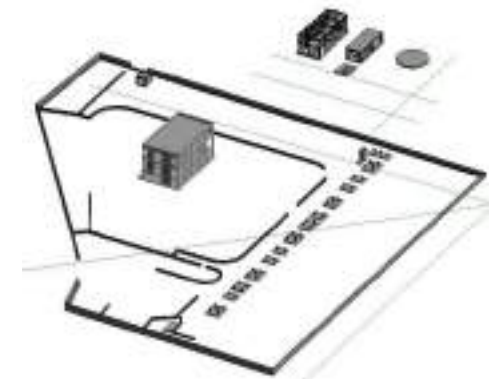
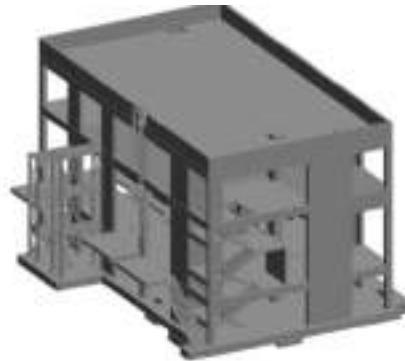
**Cross Israel
Northern**
Twin Bore 3 – Lane
Tunnels of Road Sections
3 & 7



GHANA

Bridge Power Generation Plant in Tema—Accra Ghana, Detailed Designs

Detailed final design of various elements such as: foundations, structures, buildings (concrete and steel) etc. required for the construction and commissioning of a 200MW fast track energy project with LPG, gas and diesel fuels in the Tema region, 16 miles east of Accra. Services also include development of Revit Models and 3D Reinforcement Drawings



Albania



Titan Antea Cement Plant Facilities

Engineering services for internal road network system, hydraulic surface drainage system and the water treatment reservoirs



Hydraulic tunnels for water transfer

Rrapuni Librazhd



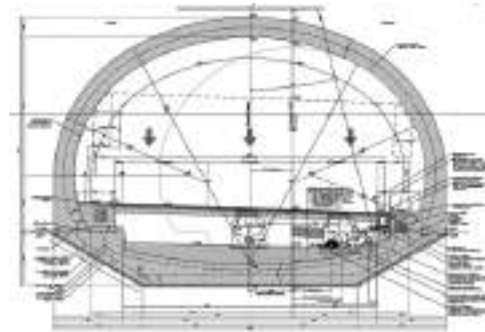
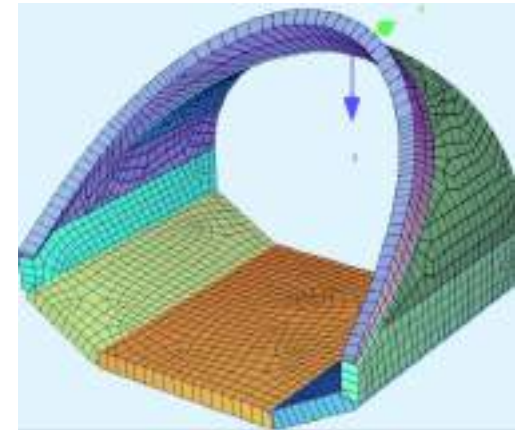
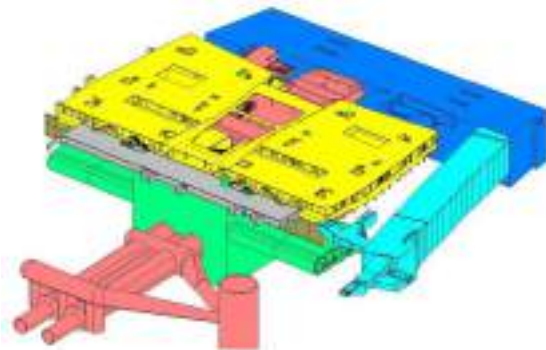
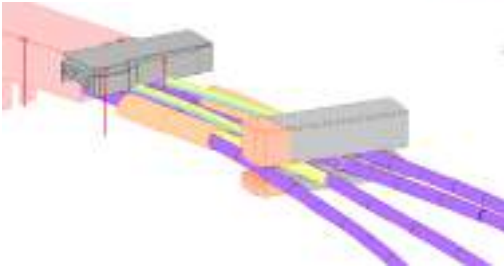
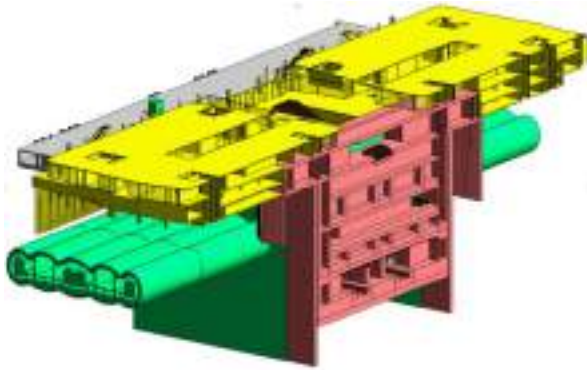
GERMANY

3D Models Designs for:

Underground **Metro Line U9**, New Metro Station and Crossing Lines **S-Bahn Railway & U4/U5 Metro** in **Munich-Germany**

Boyneburg Tunnel, Germany of the highway project in Germany BAB 44 highway between Kassel and Herleshausen.

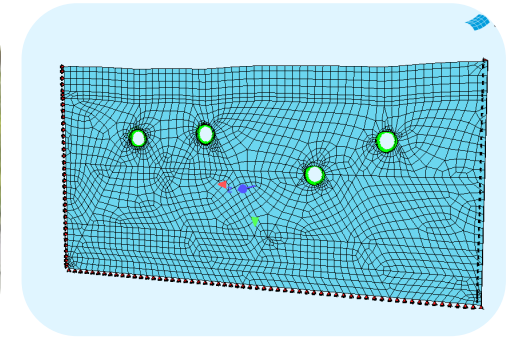
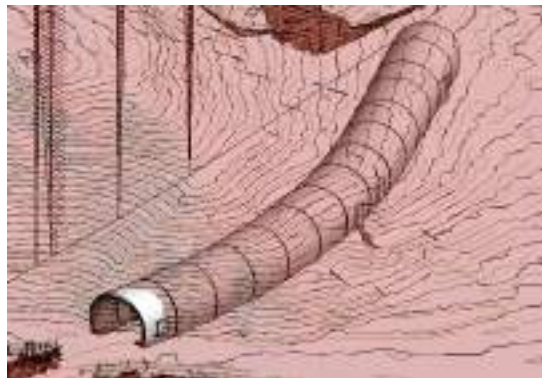
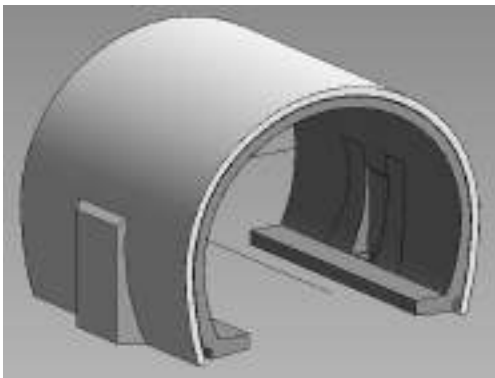
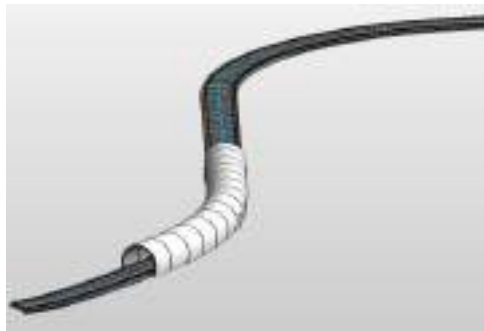
- Structural Design and Analyses of North and South Cut & Cover Structures at East and West Portal Areas.
- Detailed Formwork Drawings of North and South Cut & Cover Structures at East and West Portal Areas.
- Reinforcement Drawings for the North Cable Collector at the tunnel's exit.



GERMANY

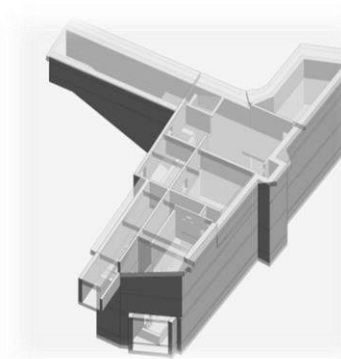
Diez Tunnel of the highway road axis B417 in Germany:

- BIM Model elaboration of Tunnel Concrete Blocks
- Production of Detailed Formwork Drawings



Calculations Analysis Technical Checking:

- Stuttgart 21 Railway Tunnels
- Munich Metro Line 3, Section 2: Moosach Station
 - Freising Highway Tunnel
 - Starnberg Highway Tunnel

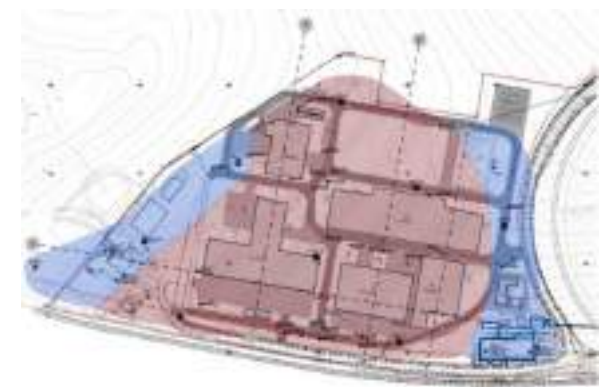


INT
Targeted tendering of
various projects



Bulgaria

Trakia Highway



Waste Treatment Plant Sadinata Site, Sofia

Ljulin Motorway – Sofia

Ring road to Daskalovo Junction



Montenegro

SEETO road route 4
investment plan
Montenegro
Bar – Boljare
Motorway



Venezuela

Final designs for
hydraulic tunnel
Yacambu – Quibor



Lithuania

Geotechnical predesigns
for the foundation of the
Chemical Plant Facilities of
Herakles PTA – Plant



Israel

Tunneling Experience Provider in
the Prequalification Tender for the
TEL AVIV LRT RED LINE PROJECT



Cyprus

Pafos – Polis Motorway



Slovakia

Services and Technical Assistance for the Financing of the High Priority Flood Protection Measures from the EU Cohesion Fund / Feasibility Study of a Hydraulic Tunnel



Romania



Tender Predesigns for:

- Comarnic Brasov Motorway
- Metro Line 5 Bucharest
- Constanta By-Pass
- Razoare Junction



Russia

Waste Disposal Facilities

Geotechnical, Geological, Structural Designs for:

Green & Tei Lake Development // Rehabilitation Project for Iacobeni – Sadova Motorway // Rehabilitation Project for Bistrita Nasaud / Suceava Motorway // Rehabilitation Project for Ilovita – Bahna – Ciresu Motorway



03. Experience Snapshots

Major
Greek
Infrastructure
Projects





Elefsina – Korinthos – Patras – Pyrgos – Tsakona Motorway, Concession Project, Greece

Detailed tunnel designs, 4 Twin Bore Highway Tunnels, 10 km length

Detailed structural, geotechnical, geological designs for earthworks (cuts – embankments), global stability, lane covers, bridges, retaining walls, culverts & on site consultancy services





Central Greece Motorway E65, Concession Project, Greece

Detailed tunnel designs, 4 Twin Bore Highway Tunnels, 14 km length & on site consultancy services



Maliakos – Kleidi Motorway, Concession Project, Greece

Detailed tunnel designs, 3
Twin Bore Highway Tunnels,
21,5 km length

Detailed designs for
earthworks (cuts –
embankments), rockfall
protection design, landslide
rehabilitation, retaining walls,
underpasses, culverts & on
site consultancy services





Athens Metro (lines 2 & 3) Greece

Detailed designs for tunnels 7km (TBM & NATM), 4 Metro stations, 8 shafts, excavations 500.000m³, retaining structures, on site consultancy services



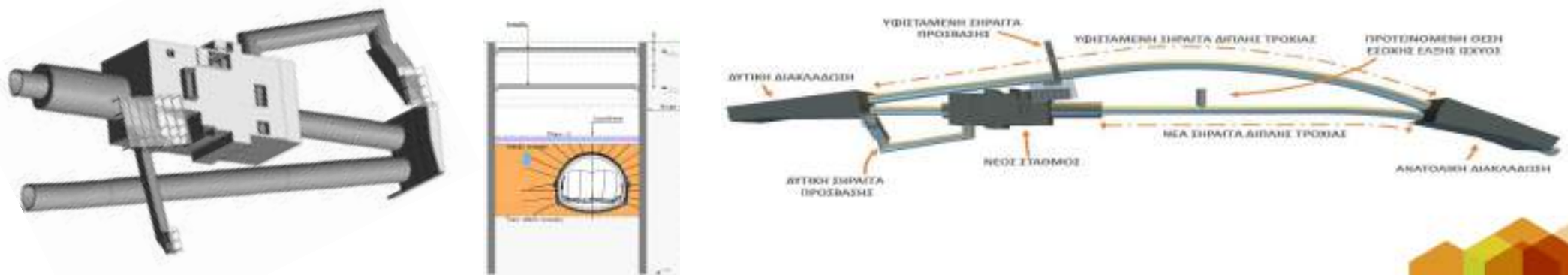
Athens Metro Line 4 Greece

Tender predesigns for Athens Metro Line 4 /Alsos Veikou – Goudi for eight (8) NATM Metro Stations, one (1) Forestation, twenty (20) Shafts and one (1) TBM tunnel



Athens Metro Line 3 Greece

Feasibility Study for the construction of Metro Station “AUA Station” at the existing Metro Line 3 (Agia Marina – Doukissis Plakentias) of Athens Metro, located at the Agricultural University of Athens.





Thessaloniki Metro - Extension to Kalamaria, Thessaloniki, Greece

Detailed designs for

two (2) single track TBM
tunnels 7km long

one (1) station

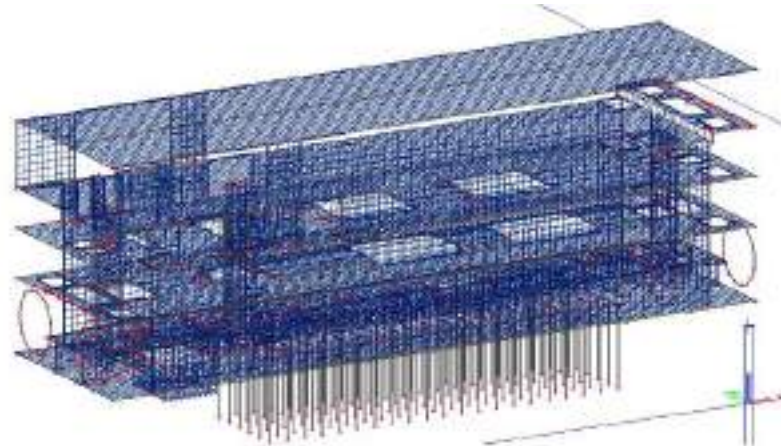
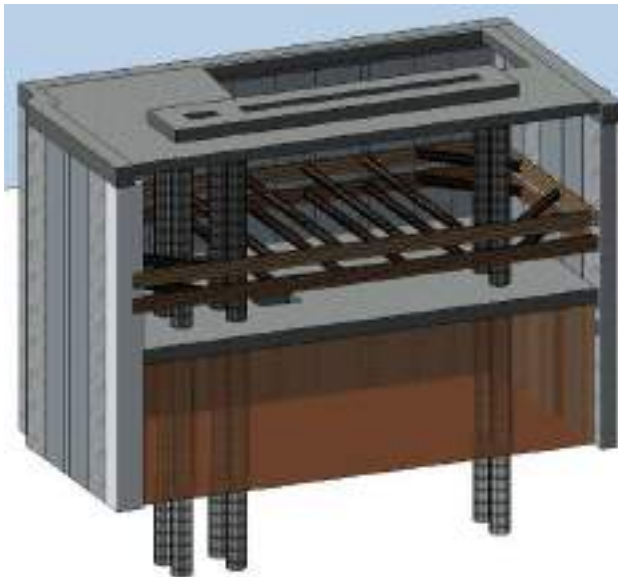
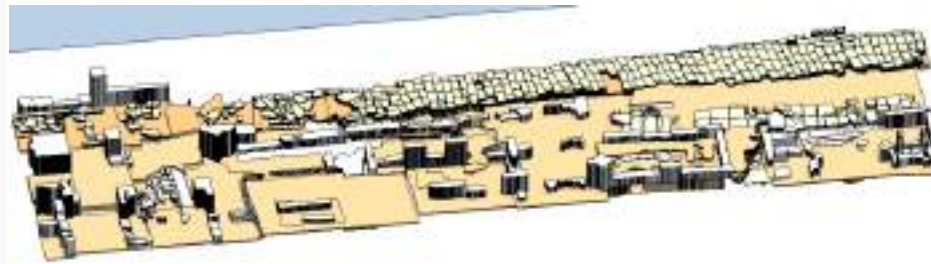
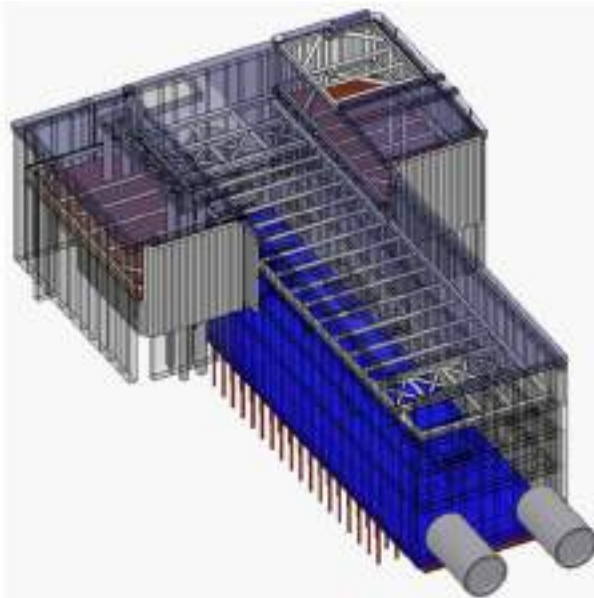
one (1) forestation



Thessaloniki Metro Greece - Venizelos Metro Station

BIM Model elaboration of Venizelos Metro Station complex:

- Main box and two entrances, including Temporary Retaining Works and Permanent Structure
- South Entrance including Temporary Retaining Works, Permanent Structure and Reinforcement Detailed Design of Diaphragm Walls
- BIM implementation at construction stages simulation
- BIM Model of archaeological findings at the underground area integrated with the final project.
- BIM implementation at construction stages simulation.





Greek Railways

Detailed designs for 15 tunnels 33km, retaining structures, embankments, cuts, bridges, retaining walls, cut & cover structures, on site consultancy services





Egnatia Motorway, Greece

Detailed designs for 12 tunnels
40km, retaining structures,
bridges, shafts, cut & cover
structures, on site consultancy
services





Greek Ministry of Public Works

Final designs for tunnels 30km total length, earthworks, rockfall protection, embankments, bridges, geological designs





Dams – Hydraulic – Waste Disposal Designs in Greece

Final designs for dams
(Aposelemi Dam – Crete,
Setta Mania Dam – Evia)
and other hydraulic and
waste disposal works



03. Experience Snapshots

Project
Management
Services



PROJECT MANAGEMENT SERVICES

Greece

River West Mall Expansion

Project Management (PM) Services for River West Mall Expansion and development of surrounding area Mouzaki.

The project involves the expansion of the complex's facilities as well as the development of its surrounding area (total expansion area 24.000 m²).

Technical and Consultancy Services – Design Services.



CYPRUS

Infinity Towers Marco Polo Project



Project Management (PM) Services for INFINITY TOWERS located at Amathus area of Limassol Cyprus. It is a luxury residential project developed on a prime 37,892 m² site in the area of Amathus on the Eastern side of Limassol. It consists of two (2) signature residential towers sitting atop a three (3) level podium, a landscaped public plaza with gardens showcasing the preserved and protected archaeological findings that lie beneath. Both towers accommodate 110 apartments



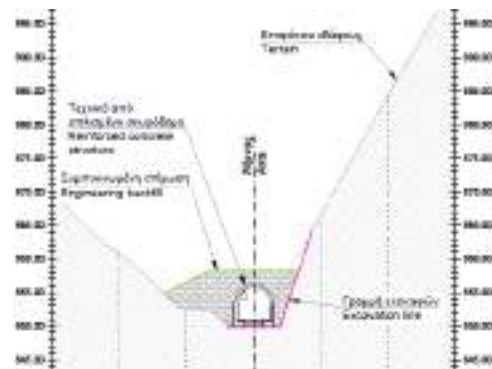
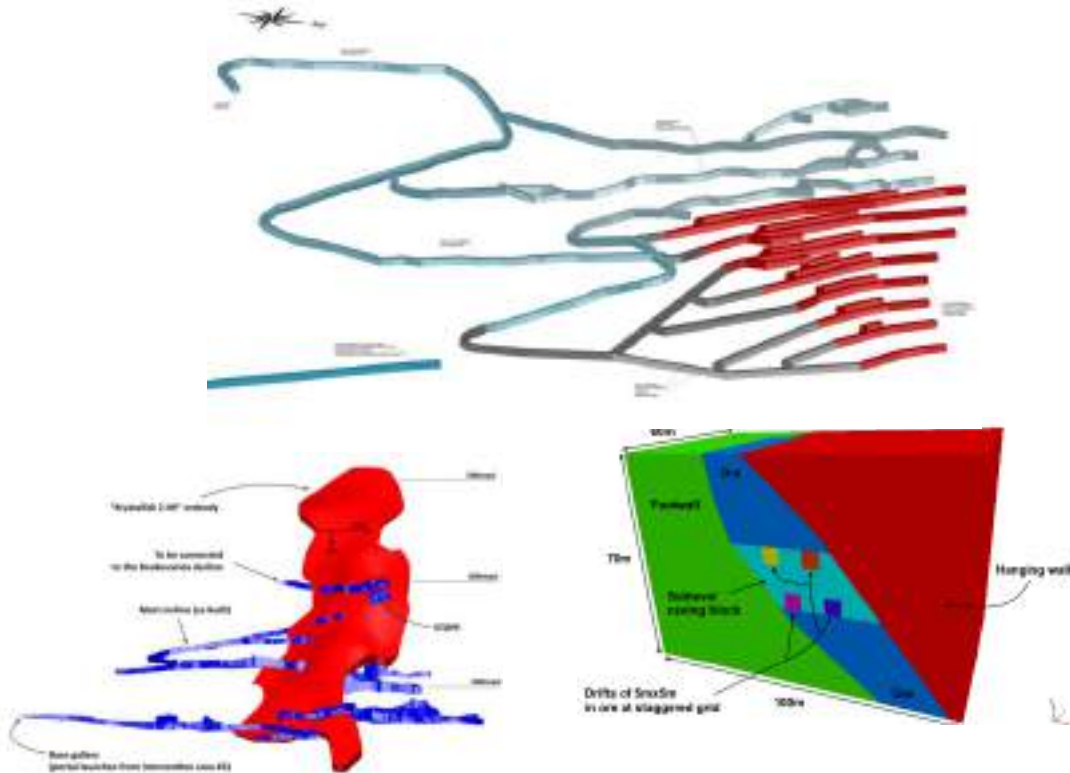
03. Experience Snapshots

Major
Mining
Projects



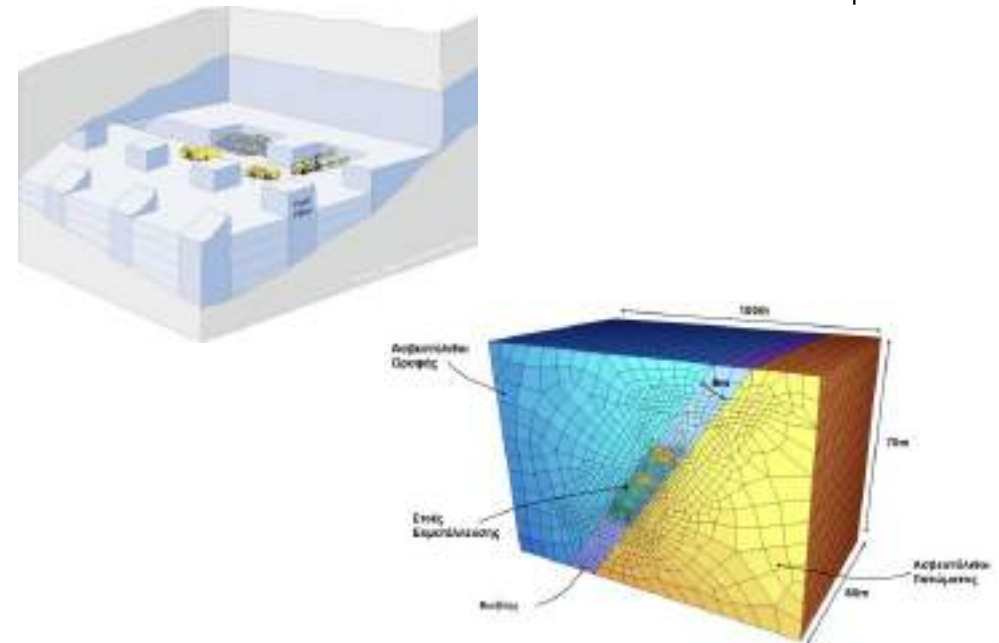
Koukouvista 1A-5 & Krystallidi 2-49 Underground Bauxite Mines

Design and Consultancy Services for the optimization / modification of the underground mining method of Bauxite Ore



Underground Mining of Bauxite at "Kaniiani Z" underground mine

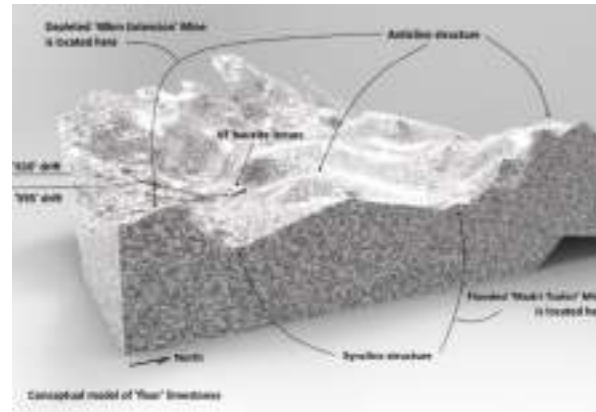
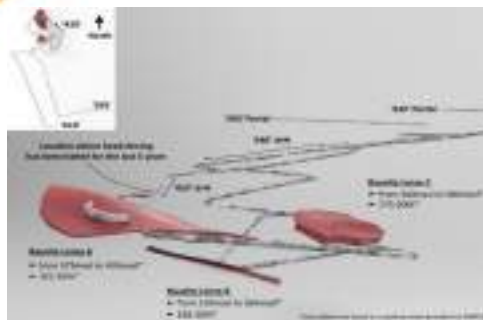
Technical Study for the Underground mining of Bauxite deposits



Koukouvista 1A-5 Underground Mine Portal Area

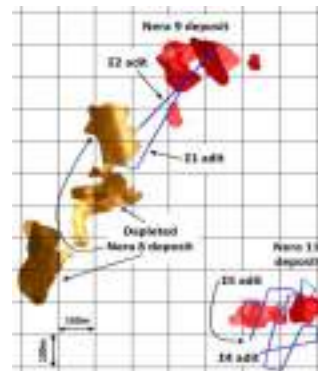
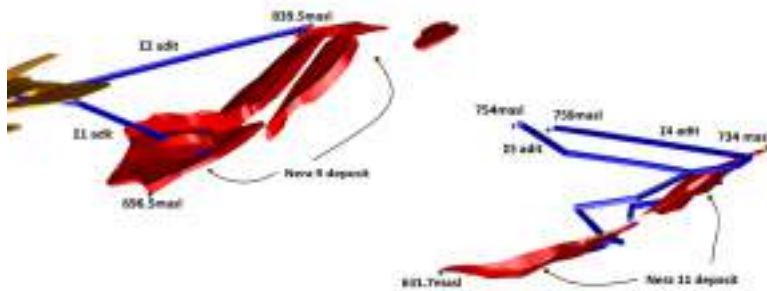
Optioneering and conceptual design of solutions to safeguard access to the portal and dump areas





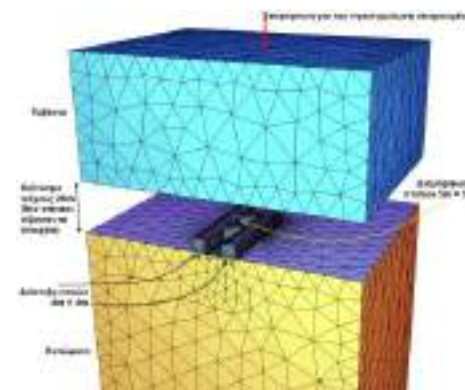
Nera 9 & 11 Underground Mines

Optioneering methodology on potential mining scenarios to put the mines into production the soonest possible



Prefeasibility Study of Underground Mining of Nickel Mine Deposits in Evia Island

- Prefeasibility study for the potential of underground mining of nickel deposits
- Selection of the most suitable mine for the transition from surface to underground mining
- Geotechnical Investigation & Assessment
- Technical & Economical Analyses for the implementation of underground mining – Investment viability



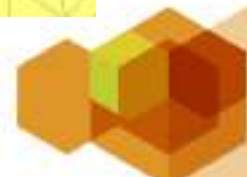
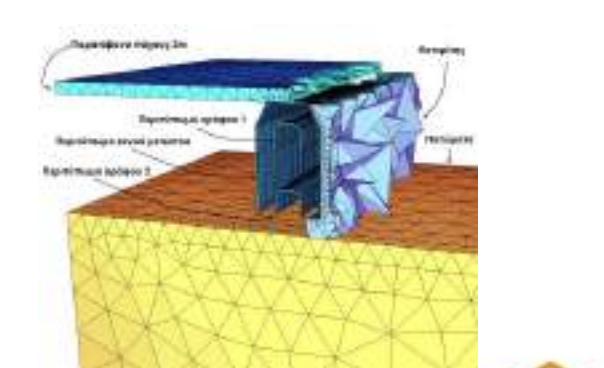
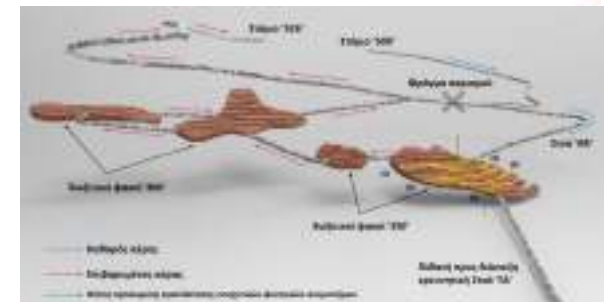
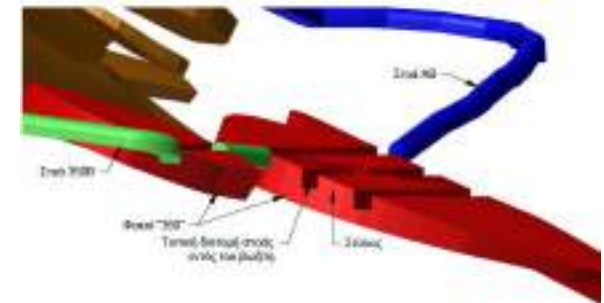
Vorioi Fakoi Underground Mine

Calculation of groundwater inflows – Dewatering design



S-SW Nera 3 Underground Mine

Mine design for permitting the development of newly discovered bauxite lenses





Basic Engineering, Final detailed designs and Permitting studies of:

1. Kokkinolakas Tailings Management Facility
2. Skouries Tailings Management Facility

in Kassandra Mines Development in Halkidiki, Northern Greece



HELLAS GOLD
(ELDORADO GOLD CA
Subsidiary)



Final detailed designs of:

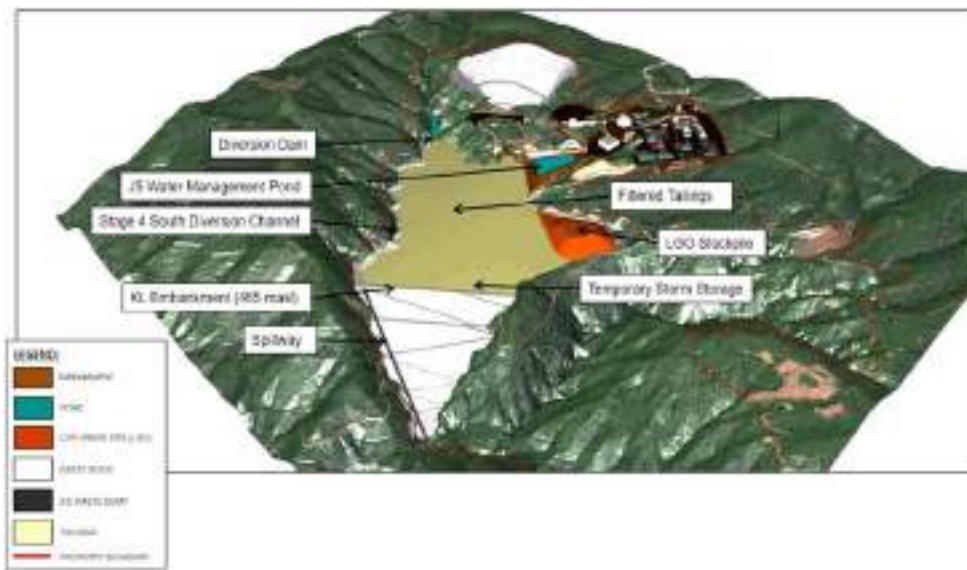
Earthworks for the Skouries Process Plant
in Kassandra Mines Development in Halkidiki,
Northern Greece

HELLAS GOLD (ELDORADO GOLD CA
Subsidiary)



Basic Engineering and detailed design for the Integrated Waste Management Facility (IWMF) at Skouries Gold project

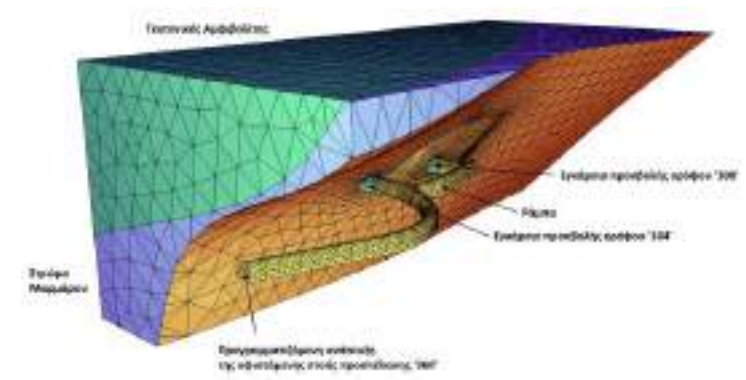
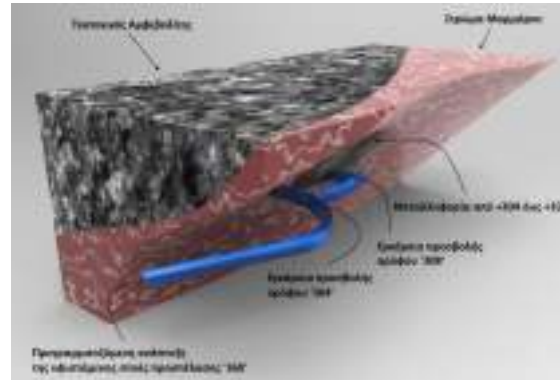
to accommodate the filtered tailings (FT) (@86% solids w/w) from ore processing and waste rock (WR) surplus from the open pit and underground mining:



Kassandra Mines Development in Halkidiki HELLAS GOLD (ELDORADO GOLD CA Subsidiary)

Mavres Petres Mine

Special Feasibility Study for the investigation of Mavres Petres Mine expansion, above the absolute elevation of +300



Mavres Petres Mine

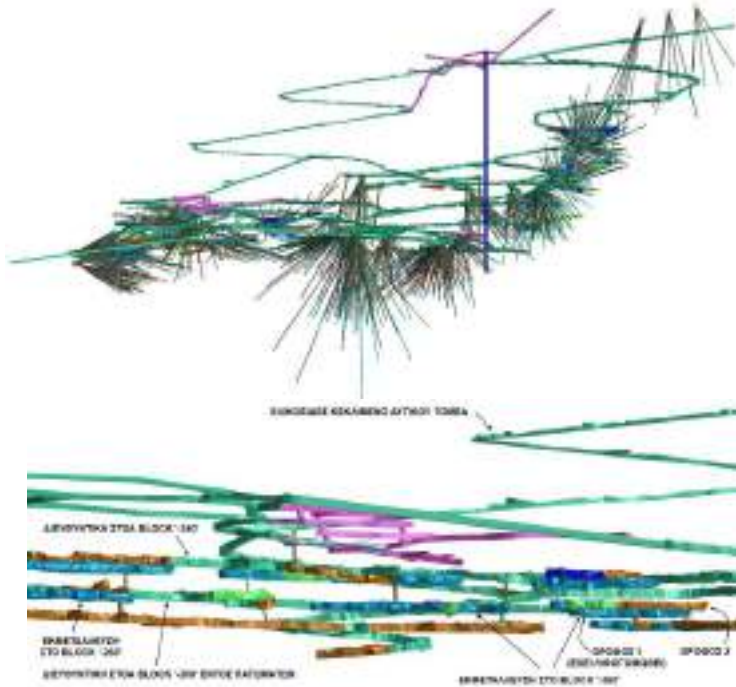
Final designs for a new access tunnel

Design of Kokkinolakkas' diversion tunnel for the protection of dry stacking Tailings Management Facility area, produced at Mavres Petres underground mixed sulphide ore mine

Technical economical feasibility study for the mining of underground deposits / Detailed technical & permitting mining design

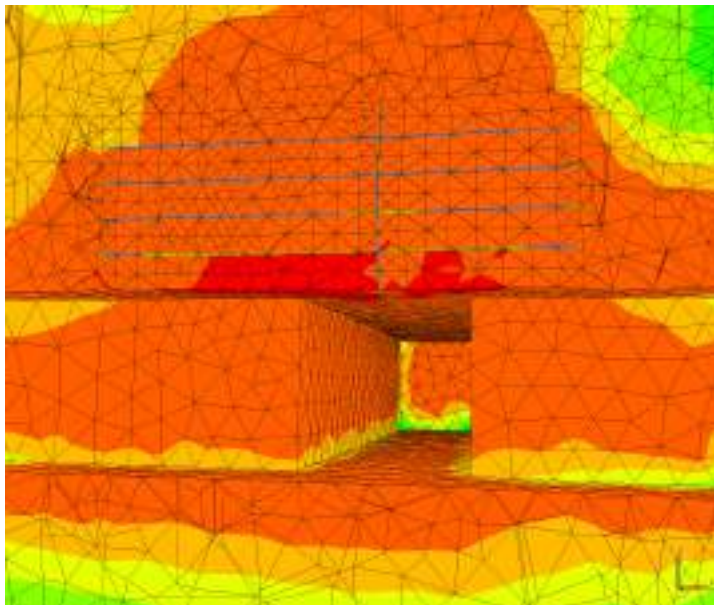


Kassandra Mines Development in Halkidiki HELLAS GOLD (ELDORADO GOLD CA Subsidiary)



Olympias Mine

Special design
for the
determination
of the minimum
allowable
strength of the
backfilling
material and
elaboration of
the related
modification
annex of the
technical
mining study for
Olympias mine



Olympias Mine

Modification of the
technical mining study
for Olympias Mine

Preliminary designs for
Olympias mine main &
secondary access
tunnels

Technical studies and
detailed designs for the
construction permitting





Construction Follow up (Design) Services, Application Designs and Development of Data Management System for the project:

“Construction of:

1. Olympias main tunnel
 2. Olympias secondary access tunnel
 3. Kokkinolakas diversion tunnel
 4. Skouries spiral decline”
- (FIDIC Conditions of Contract)

Elaboration of Technical Studies and Designs for the Construction Permitting of the 1st Phase Works included in the Kassandra Mining Facilities Halkidiki

HELLAS GOLD (ELDORADO GOLD CA Subsidiary)



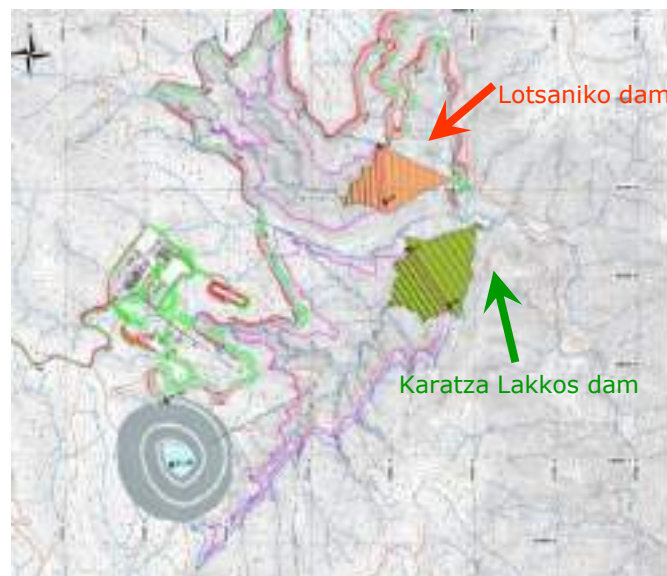
Kassandra Mines Development in Halkidiki, HELLAS GOLD (ELDORADO GOLD CA Subsidiary)



Final designs for a new inclined access tunnel
in Mavres Petres Mine



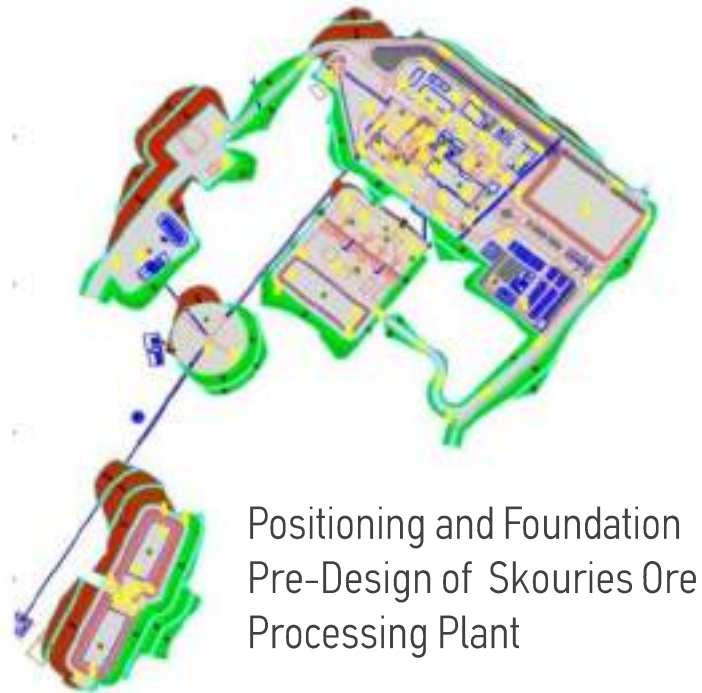
Hydraulic tunnel for the diversion of Kokkinolakkas stream



Permitting design of the
tailings dams in
Skouries mine



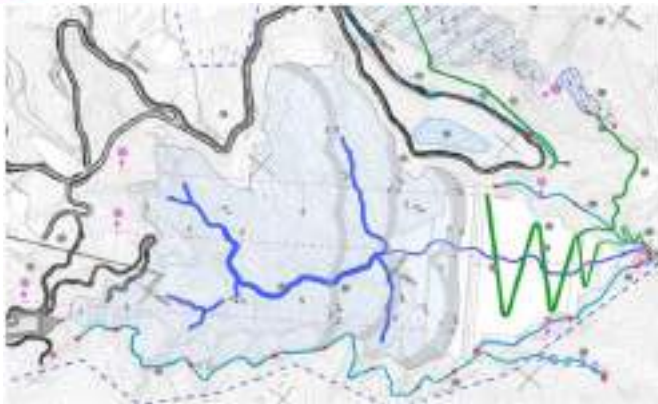
Kassandra Mines Development in Halkidiki HELLAS GOLD (ELDORADO GOLD CA Subsidiary)



Positioning and Foundation
Pre-Design of Skouries Ore
Processing Plant



New unit of water
processing for the
mining waters of
“Mavres Petres”
(construction of tanks
and installation-
operation of filter press)



Filtered tailings dry stack pre-feasibility
study at Skouries to include Tailings
Storage Facility (TSF) and Waste Rock
Dump (WRD) sites



Design of the inclined exploration adit in Skouries
TVX GOLD

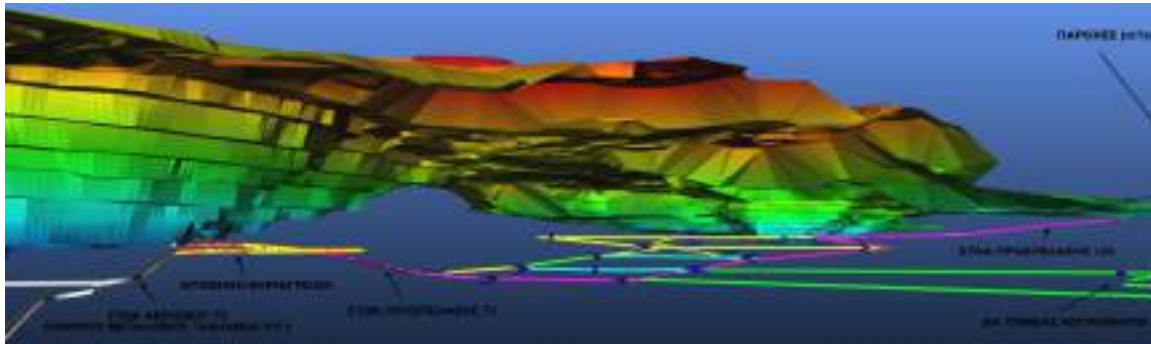


Preliminary assessment of the mining value of magnesite mines, Greece, TERNA



"Xomandri" and "Kakavos 5" Mines

Feasibility Study, Detailed Design, Environmental Impact Assessment and Mining Study of Underground Magnesite Deposits
TERNA MAGNESITE SA



Perama Hill Gold Project – Mine Waste Management Facility (MWMF)

Front – End Design of the Mine Waste Management Facility (MWMF)
Geological – geotechnical interpretation report of Perama Hill process plant
Detailed engineering design of the main access road to the plant site
THRACEAN GOLD MINING S.A.



Achlada lignite mines

Reserves estimation
Mining design
TERNA – AKTOR





TITAN, Feasibility study for the construction of a 240 acre water basin at the clay quarry of Skourta mine, Viotia



TITAN Antea Cement Plant Facilities Albania

VIOLIGNIT, Slope stability for the open pit mine at Vegora area



AGET IRAKLIS, Cement plant facilities drainage system Chalkida



Vevi Lignite Mine

Detailed business plan to explore and exploit Vevi lignite mine, AKTOR



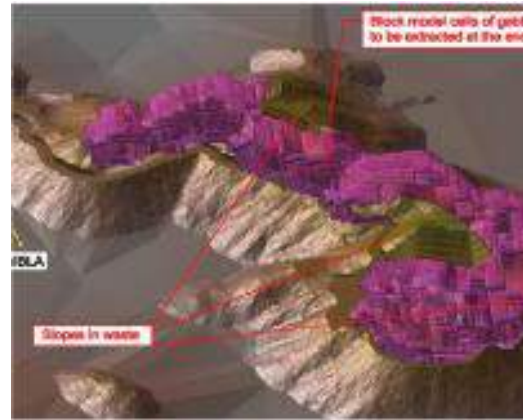
Kastri Quarry

Evaluation and Assessment of "Kastri"
Calcium Carbonate Industrial Mineral Quarry
Veria, AKTOR – Hellenic Quarries



Oman Quarry

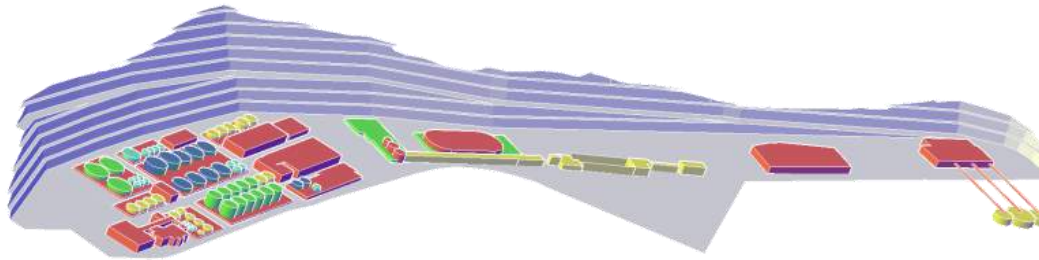
Khatmat Malaha, Oman – Quarry Development and Operation .
Tender designs: Mining design, access roads and connections
AKTOR – General Engineering Technologies / G.E.T.



Detailed designs for the arrangement, construction and operation of the landfill facilities for a new waste disposal unit, Greece, HELEKTOR



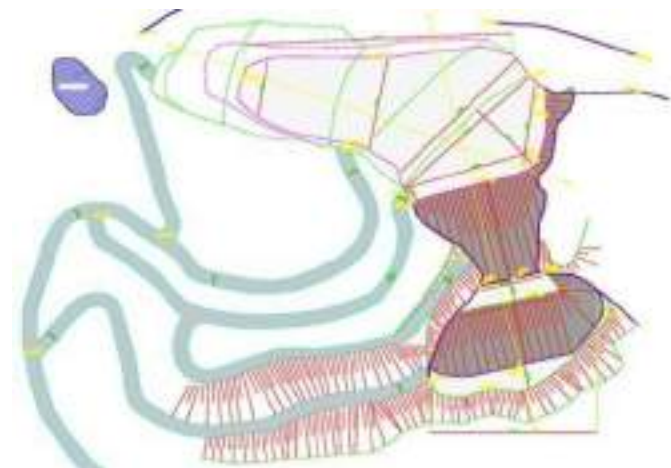
General & Detailed Design Bauxite Red Mud Dry Stack Deposit Viotia, MYTILINEOS Group of Companies



Ag. Nikolaos Viotia Processing
Facilities: new facilities of bauxite
processing, red mud disposal,
MYTILINEOS Group of Companies

Prosilio Mine, Kozani

Underground & surface mining of the lignite deposits / Geotechnical
design of access & transverse connection galleries, METE



"Kleisoura" Open Pit Mine Rehabilitation,
Parnassos, MYTILINEOS Group of
Companies



Milos Island, S&B INDUSTRIAL MINERALS



Pre-design of 4
vertical shafts for
bentonite
storage



Final geotechnical landslide designs and
slope stability designs of **Aggeria open**
pit mine



Bentonite open pit mine designs in
Aggeria area

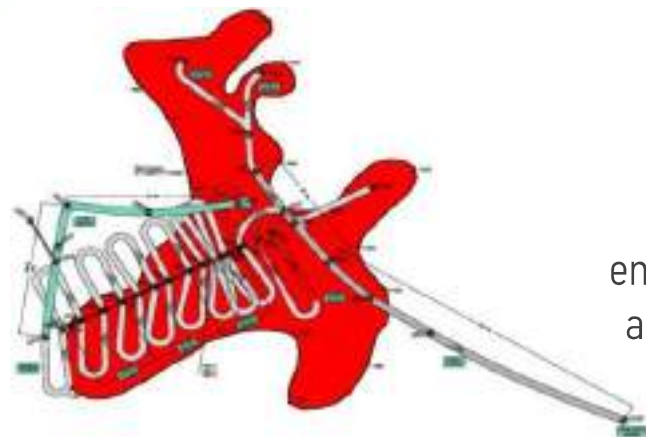


Hydrogeological studies
in the areas of **Saint**
Irini – Aggeria – Koufi
bentonite open pit
mines

Technical mining designs and
environmental impact assessment
studies of open pit mines:

- **Tsigrado pearlite open pit mine**
- **Trachilas pearlite open pit mine**





East Kefali 90
(bauxite open pit mine)
Technical mining designs and environmental impact assessment studies

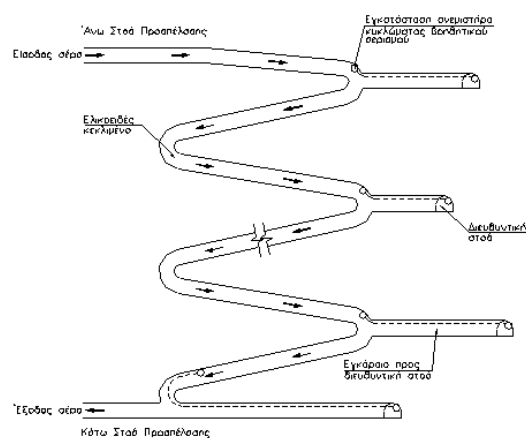
S&B INDUSTRIAL MINERALS



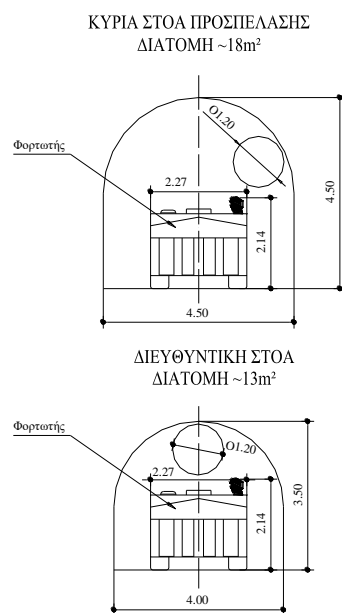
"Fterorachi" Evia & "Aspro Chorio" Milos
Environmental Impact Assessment Studies



Itea bauxite processing plant
Final design of a road tunnel for the connection of the logistics facility with the plant

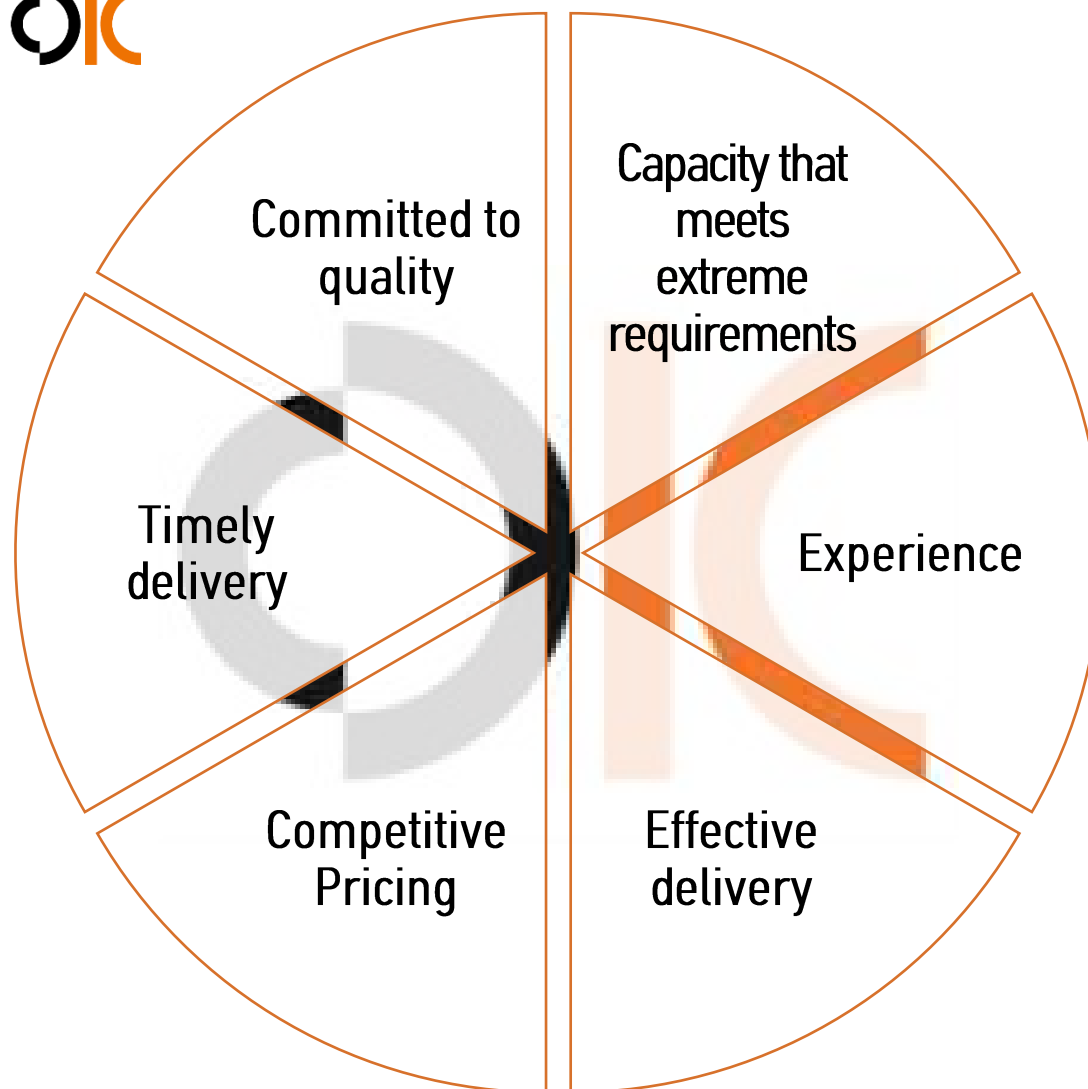


Parnassos Bauxite Mining Works
Technical – Economical Mine Design
Koukouvista 5A & 1B / Kristalidi 2



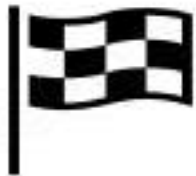
Common Vision







Trustworthy



Efficient



Positively
Responsive



Reliable

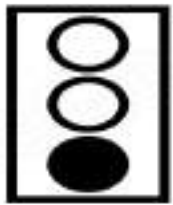


On-time



On-budget





No dead-ends



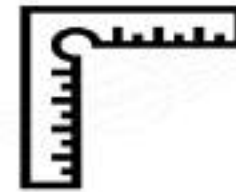
Quality



Faster



Delivery



Technically
Competent



Effective





- Explore the possibilities to enhance cooperation and to detect the optimum pattern to realize this in terms of reliability and “win to win” strategies
- Value engineering approach – tailor made designs
- Targeted tendering of forthcoming projects
- Effective contribution to the successful completion of the currently running projects



THANK YOU



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