

CURRICULUM VITAE

1. Family name: **TRANOULIS**
2. First name: **ALEXANDROS**
3. Date of birth: **10-DECEMBER-1967**
4. Nationality: **GREEK**
5. Civil status: **Married-two children**
6. Education:



Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
N.T.U.A National Technical University of Athens (1992-1996)	Bachelor of Science in Civil Engineering
N.T.U.A National Technical University of Athens (1996-1997)	Master of Science in Civil Engineering
Technological Institute of Science, Piraeus, (1987-1992)	Bachelor of Science in Civil Engineering

7. **Language skills:** Indicate competence on a scale of 1 to 5 (5 - excellent; 1 - basic)

Language	Reading	Speaking	Writing
Greek	mother tongue		
English	5	4	4
German	2	2	2

8. **Membership of professional bodies:**

- **I.A.B.S.E** (International Association for Bridge and Structural Engineering)
- Active member of **Hellenic Department of I.A.B.S.E**
- **EUR ING (FEANI Register EUR ING No: 33535)**
- **A.S.B.I** (American Segmental Bridge Institute)
- Precast Prestressd Concrete Institute (**pci**)
- American Concrete Institute (**A.C.I**)
- International Federation for Structural Concrete (**CEB-FIP**)
- Technical Chamber of Greece.
- Greek Association of Civil Engineers
- Kuwait Society of Engineers

9. Present position:

From October 2016

C.E.O. & Founder of AT Consultants a specialize Structural Engineering Design Firm based in Athens Greece

A.T.CONSULTANTS cooperates with public and private sector, providing design services for Infrastructures and Building Projects.

From June 2018 member of the Board of **A.T. CONSULTANTS INTERNATIONAL LIMITED**, which will carry out the works in Middle East, with office in Kuwait.

From May 2015 working with **Louis Berger Ltd in Kuwait for Consultant Services as:**

Senior Design Engineer for the Project: Supervising and Upgrading the Jamal Abdul Nasser Street.

From April 2012 up to April 2015 working with **Louis Berger Ltd in Kuwait for Consultant Services as: Senior Design Engineer for the Project: Supervising and Upgrading Jahra Road in Kuwait.**

2006 up to April 2012:

Freelancer-Cooperating with public and private sector, resuming works dealing with designing-planning-analyzing Bridges-Tunnels-and other related Highway Projects.

1997 up to April 2006:

Employee as Designer in Design Offices in Greece

10. Years within the firm: from 1997 up to present

11. Experience :

Mr. Tranoulis has more than 20 years of experience in the design, design review, construction and construction supervision of reinforced, prestressed concrete and steel structures.

His experience covers:

Design of bridges, from single span up to long span bridges constructed with special mechanical ways.

Design of tunnels and cut & cover structures, using construction stages analysis and nonlinear properties in the support conditions.

Mr. Tranoulis has gained precious experience from participation as a consultant in the construction of projects RA 166 & RA 167 in Kuwait.

The daily occupation with themes concerning the design and construction of precast segmental bridges provide to him experience that is difficult to gain with other ways.

During this period Mr. Tranoulis had a chance to review a number of Method Statement for the Construction of the Precast Segmental Balance Cantilever Bridges in RA 166 and for the Construction of the Precast Segmental Span by Span Bridges in RA 167.

In addition he had a chance to review and provide significant comments in a big amount of shop drawings that Contractor had submitted for the construction of the project.

Mr. Tranoulis has gained precious experience from his participation as a designer in parts of Athens Metro tunnel projects, as well as from his participation as a checker of Structural Design for the Västlänken E02 (the West link) a major infrastructure project involving an 8km-long railway tunnel under central Gothenburg in western Sweden, 6.6km of which will be carried in a double-track railway tunnel. For this project he has preparing training courses for simulate the construction of the project in adequate software models that can follow the construction stages.

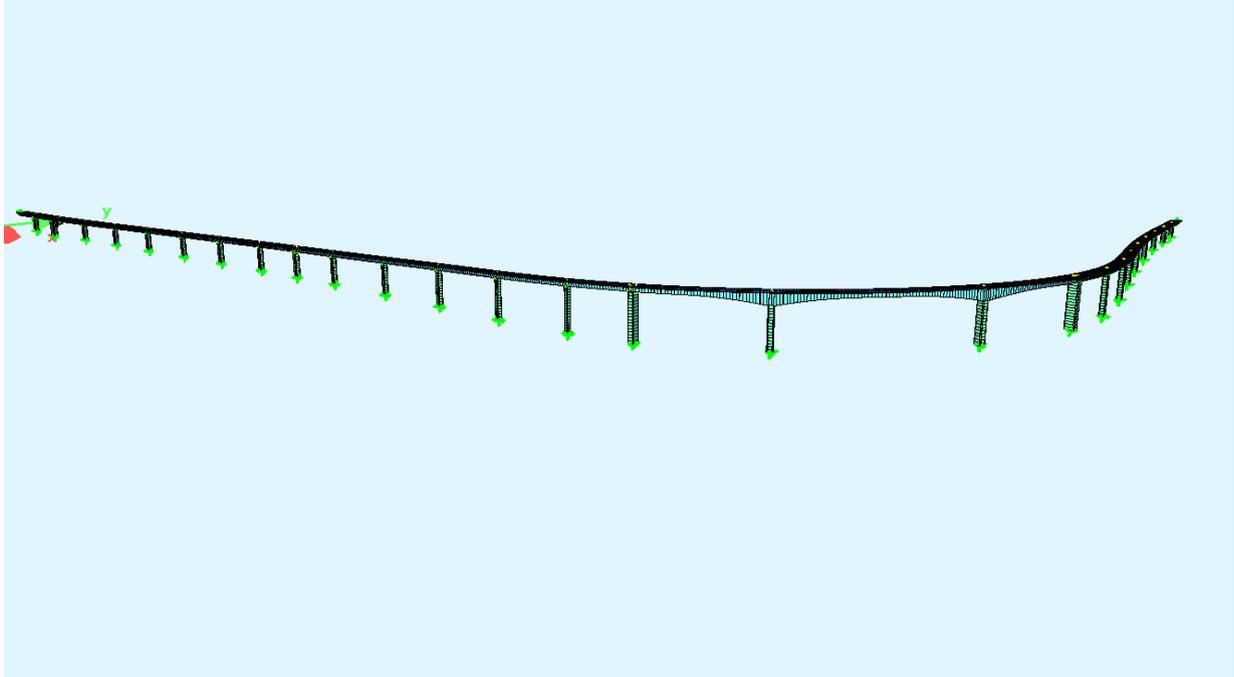


Generally his experience has gained through the participation in the design of several important projects such as:

- **Road Bridges**

Preliminary and Final Design for the project RA 167 & RA 166: Upgrading Jamal Abdul Nasser Street- Jahra Road Kuwait.

Design and Design review for more than 16 km Segmental Balance Cantilever Prestressed Bridges.



Main Bridge has been designed up to 5 traffic lanes for each direction. Special Equipment have been used for the construction of the Main Line. Design and Design review for more than 20 km Elevated Bridges constructed by the Precast Segmental Balance Cantilever system.

These Bridges have been designed with two traffic lanes. Special Ground Gantries have been used for the construction of these Ramps. Design and Design review for more than 20 km² of Mechanical Stabilized Earth Walls (M.S.E. Walls).

For the Construction of Jahra Road a **Segmental Balance Cantilever** system has been chosen with the use of N.R.S Launching Gantries. For the Construction of Jamal Abdul Nasser Street a **span by span** system has been chosen with the use of D.E.A.L Launching Gantries. Design has been done according to **AASHTO LRFD 2004**.

Review the final Design of the project **RA 245: 'Consultancy Services for Study, Design and Construction Supervision for Kuwait Regional Road-North'**.

Checking the final Design of New Highway Project which includes:

Bridges designed with Balance Cantilever Method.

Bridges designed with span by span Method.

Bridges designed with precast prestressed beams in superstructure.

Bridges designed with voided slab as superstructure.

Design has been done according to **AASHTO LRFD 2004**.

Conceptual Design for the project **RA 193: 'Study, Design and Construction Supervision for Construction and Maintenance of Regional Road South Part (Section 2), Agreement No. EF/R/193 with the title: Design of the New Airport Interchanges for the Kuwait International Airport Terminal II Variation Order No. 2'**.

The new Design is consisted off:

Underground structure with total length 1.3km.

Bridges designed with Balance Cantilever Method.

Bridges designed with span by span Method.

Bridges designed with precast prestressed beams in superstructure.

Bridges designed with voided slab as superstructure.

Conceptual Design for the project **RA 217: 'Design, Construction and Maintenance of Interchanges and Bridges at NAWASEEB ROAD'**.

The new Design is consisted off:

Bridges designed with Balance Cantilever Method.

Bridges designed with span by span Method.

Final Design for the project: **'Access Roads and Bridges Al-Zour (ZOR) Refinery Project Al- Zour, Kuwait.'**

The new Design is consisted off:

Bridges designed with precast prestressed beams in superstructure.

Culverts.

GREECE-New Highway Eleysina-Korinthos-Patra-Pirgos-Tsakwna:

Final Design of several Underpass Bridges for the part Korinthos-Kiato from CH. 0+250 up to CH 20+400.

Design has been done according to German Code **DIN** for Bridges.

Greece-New Highway EGNATIA ODOS:

Preliminary-Final Design for a lot of Bridge Structures as well as Checking and Review of final design for this highway.

Design has been done according to German Code **DIN** for Bridges.

Greece-New Highway ATTIKI ODOS:

Preliminary-Final Design for a lot of Bridge Structures as well as Checking and Review of final design for this highway.

Design has been done according to German Code **DIN** for Bridges.

Greece-Highway Patra-Athens-Thessaloniki-Euzwnwn (P.A.T.H.E.):

Preliminary-Final Design for a lot of Bridge Structures as well as Checking and Review of final design for this highway.

Design has been done according to German Code **DIN** for Bridges.

Greece-Design of the new Road Connection between Aktio and the West Axis South-North:

Preliminary Design for (13) Bridges locates in this highway.

Design has been done according to German Code **DIN** for Bridges.

Design for the Upgrading of the North Highway in Crete Island Greece. Part Brises Atsipopoulo & Amario - Estaurwmeno:

The new Design is consisted off:

Tunnel designed with total length 1.3km.

Bridges designed with precast prestressed beams in superstructure.

Bridges designed with voided slab as superstructure.

Greece-Design for the Upgrading of the new National Road KYPARISIA-FILIATRA-PYLOS-METHWNI and in the part FILIATRA-GARGALIANOI:

2 Final Design for Bridge Structures have been completed in this specific part.

Design has been done according to German Code **DIN** for Bridges.

Greece-Design for the Upgrading of the new National Road KYPARISIA-FILIATRA-PYLOS-METHWNI and in the part FILIATRA WESTERN BYPASS:

5 Final Design for Bridge Structures have been completed in this specific part.

Design has been done according to German Code **DIN** for Bridges.

CYPRUS-Design for the New Highway PAFOS-POLIS XRISOXOU:

3 Preliminary Design for Bridge Structures have been completed in this specific part.

Design has been done according to German Code **DIN** for Bridges.

Cyprus -Design for the Upgrading of the new Highway NIKOSIA-LIMASSOL:

Final Design for the Bridge over Almiros River has been studied in Cyprus.

Design has been done according to German Code **DIN** for Bridges.

Cyprus-Design for the New Road Network near new G.S.O. Widening of the Bridge located at river Kalogero:

Final Design for the Bridge over Kalogeros River has been studied in Cyprus.

Design has been done according to German Code **DIN** for Bridges.

Cyprus-Design for the New Highway NIKOSIA-PALAIOWRI:

Final Bridge Design for the above new Highway in Cyprus.

Design has been done according to **Euro codes** and National Annex for Cyprus.

Final Design for the Upgrading of Main Square and the Surrounding Area in Nicosia Cyprus:

Final Structural Design has been completed for the Bridge in the Main Square in Nicosia Cyprus.

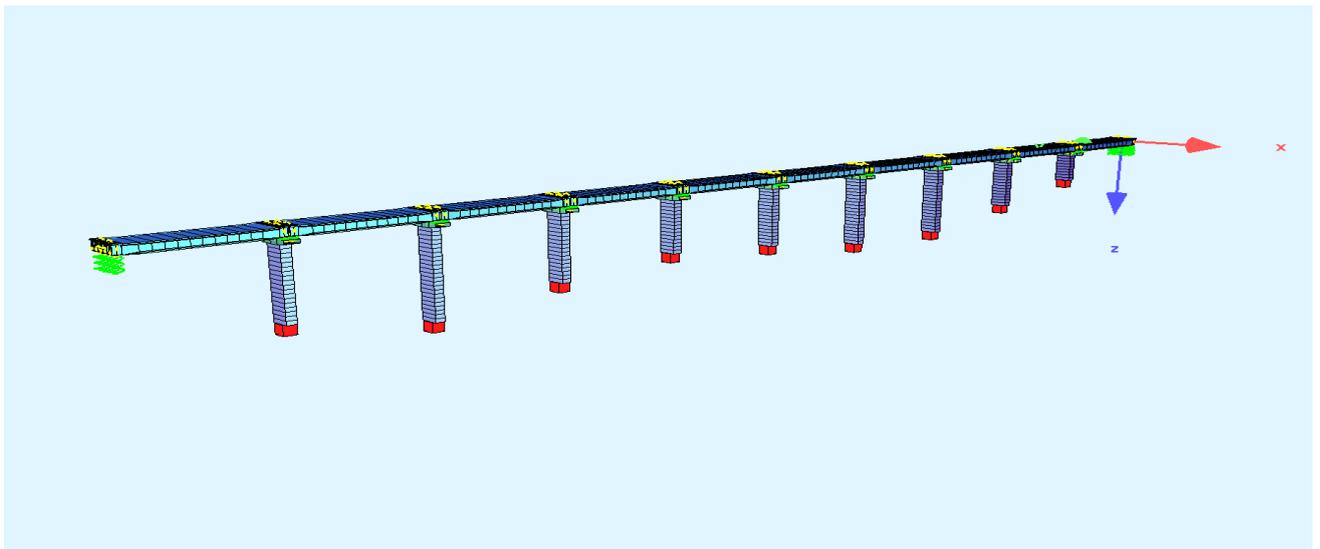
Design has been done according to **Euro codes** and National Annex for Cyprus.

- **Rail Road Bridges**

GREECE-ERGOSE IKONIO:

Preliminary & Final Design of Overpass and Underpass Railway Bridges located at IKONIO.

Design has been done according to German Code **DS 804** for Bridges.



GREECE-ERGOSE KORINTHOS PATRA:

Preliminary & Final Design of four Underpass Bridges for the part Korinthos-Patra with box shape as type of structure.

Design has been done according to German Code **DS 804** for Bridges.

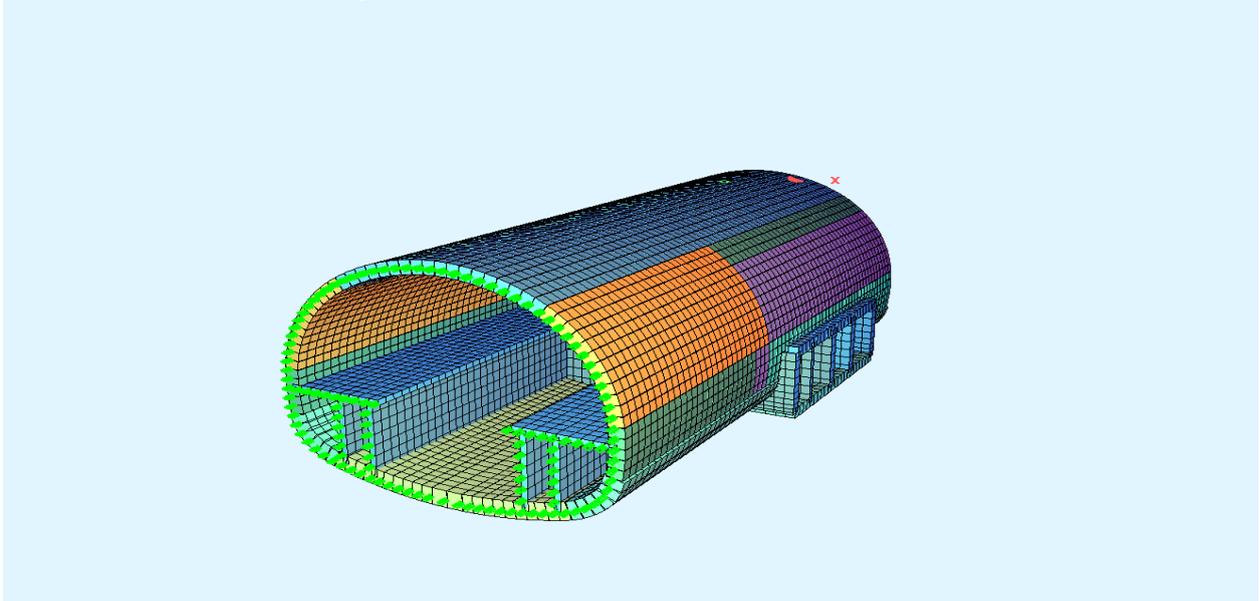
GREECE-OSE:

Conceptual Design has been carried out for the new Railroad Axis Kalambaka-Iwannina-Igoumenitsa at the West North Part of Greece.

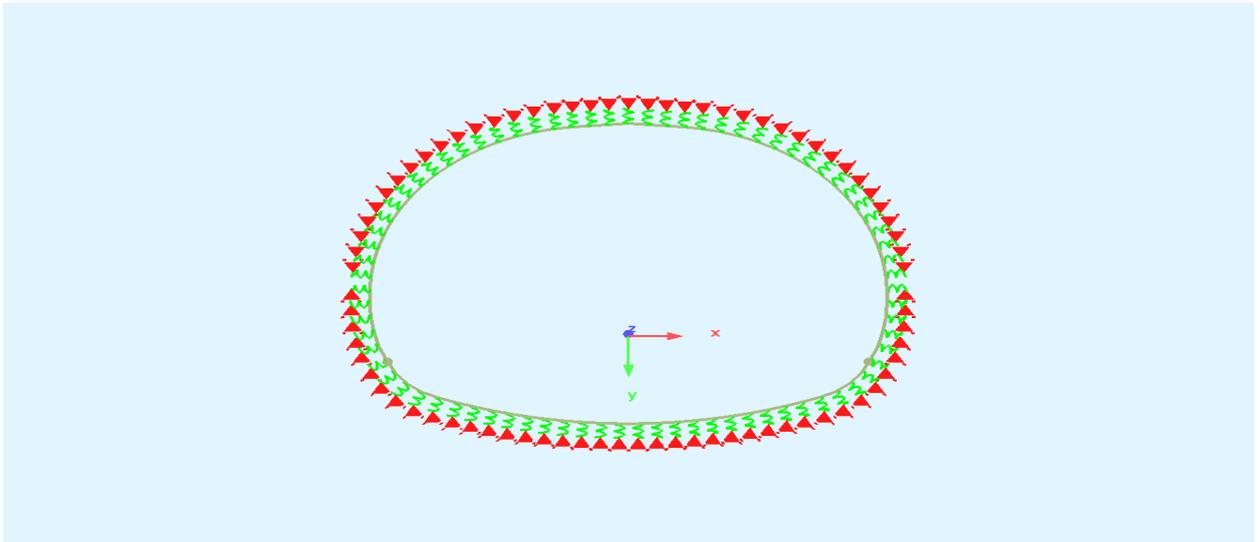
Design has been done according to German Code **DS 804** for Bridges.

- **Underground Structures**

Design for Railway, Road Tunnels Cut&Cover in Greece and abroad such as:
ATTIKO METRO Railway Tunnel (ATHENS-GREECE)



DRISKOS Tunnel



Agios Hlias Tunnel, **Maurobouni** Tunnel for **EGNATIA ODOS** Highway.

Tunnels for the Greek Highway **P.A.T.H.E.** especially Tunnels in **Kakia Skala** and **Aigio** Tunnel.

Tunnels for the North Highway in Crete for the project: 'Design and Upgrading for the North Highway in Crete B.O.A.K.'

Design for Mitsero Tunnel in Cyprus.

MUNCHEN MOOSACH STATION

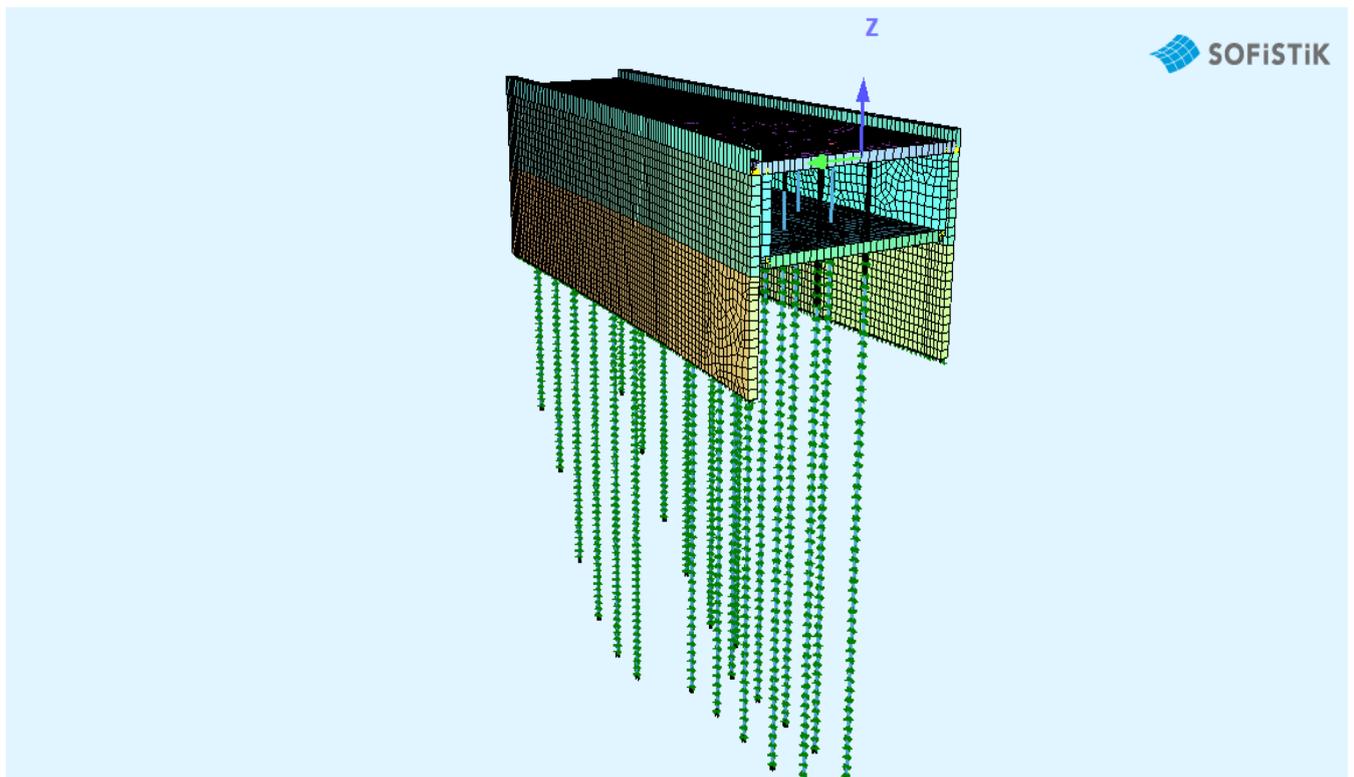
Design of temporary works for the construction of the station using SOFISTIK

In addition I have participated in the Design and Design Review for a lot of projects constructed by **cut & cover, or cover & cut** method for the main Railway and Road axis in Greece and Cyprus.

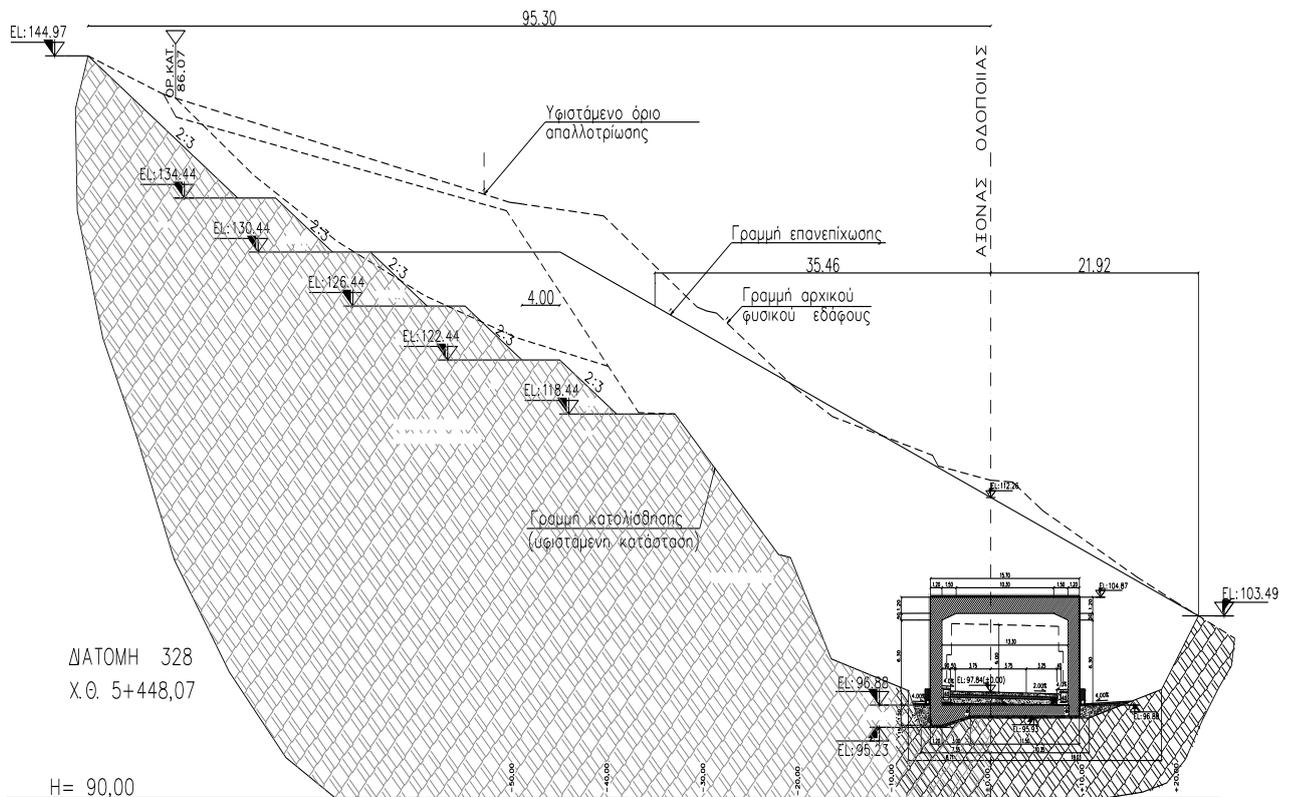
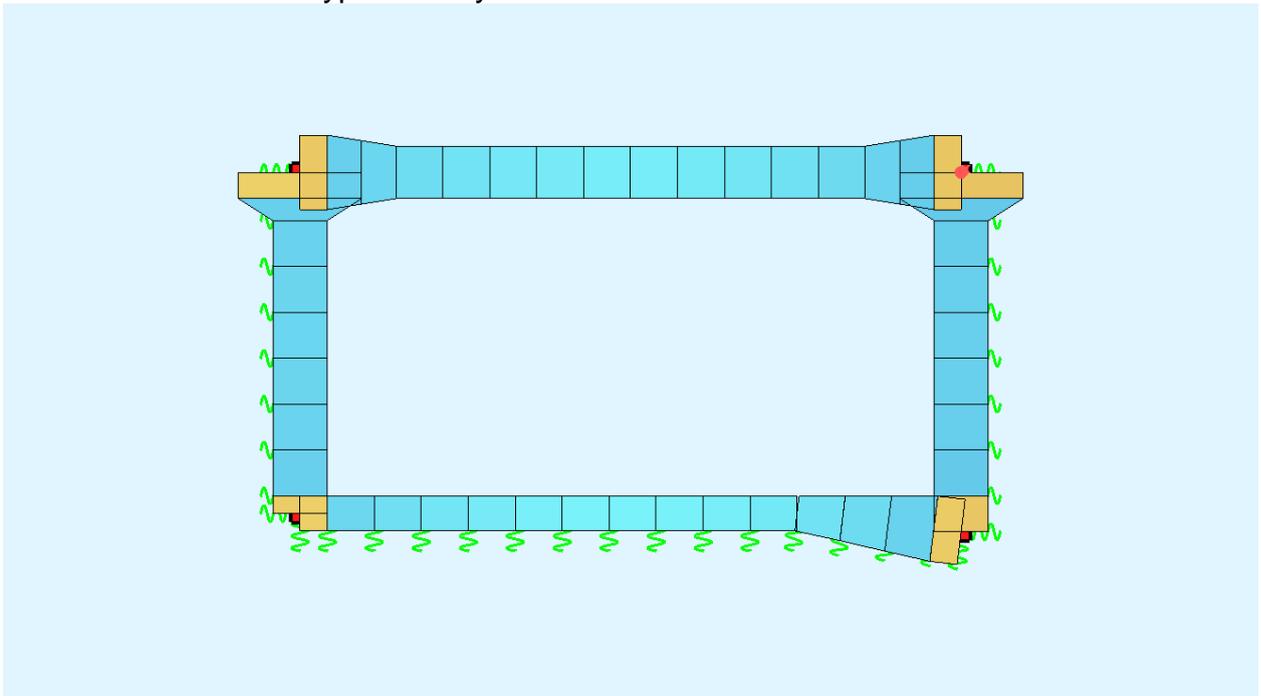
Structural Design for the Västlänken E02 (the West link) a major infrastructure project involving an 8km-long railway tunnel under central Gothenburg in western Sweden, 6.6km of which will be carried in a double-track railway tunnel.



Figur 1.1: Översikt av E02-Centralen och alla delestapper. Östra trumpet, station och västra trumpet rödmarkerad.



Cut&Cover outside Naypaktos city.



A detail list underground structures design present on pages 35 UP TO 36.

Steel Structures

Design the Pedestrian Bridge for new G.S.O. in LIMASSOL CYPRUS:

Final Design has been completed for the Pedestrian Steel Bridge in the area of new G.S.O.in Limassol Cyprus.

Design has been done according to **Euro codes** EC3 and National Annex for Cyprus.

Design the Pedestrian Bridges for Pafos Municipality in CYPRUS:

Final Design has been completed for the Pedestrian Steel Bridges in Pafos Cyprus.

Design has been done according to **Euro codes** EC3 and National Annex for Cyprus.

Rehabilitation of the Steel Railroad Bridges in Diakofto Greece:

Final Design has been carried out for bearing replacement and lifting the superstructure of the steel bridges in Diakofto Greece.

Bridges have been constructed in a protected Natura Environment at the 19th Century Design has been done according to **Euro codes** EC3 and National Annex for Cyprus.



- **Bridge Maintenance**

As a Consulting Advisor in the technical department of ELEMKA (Trading and Construction Company) I have participated in a lot of maintenance projects in Greece and abroad, dealing with bearings, expansion joints, prestress, isolators and other anti-seismic devices.

Lot of these Projects refers to Main Road Axis in **Greece, Cyprus, and Kuwait** such as:

KUWAIT

Design for bearing replacement and Lifting of Bridge No. 10 have been carried out:

Bridge has been located at First Ring Road at JAHRA GATE ROUNDABOUT – KUWAIT.

Design of Bridge Elements for the Inspection

Of AIRPORT ROAD, 4TH RING ROAD, BRIDGES NO. 040/550-2EB/WB, INTERCHANGE 21 (YARMOUK BRIDGES)-KUWAIT

Design of Bridge Elements for the Inspection

Of FAHAHEEL EXPRESSWAY, BRIDGE NO. 072/300 2NB - INTERCHANGE 72 (BRIDGE F-11)-KUWAIT.

Design of Bridge Elements for the Inspection

Of KING FAISAL MOTORWAY, BRIDGE NO. 080/500 2WS (PREVIOUSLY NUMBERED 23C) - INTERCHANGE 53 (PREVIOUSLY NAMED 23)-KUWAIT

Design of Bridge Elements for the Inspection

Of 5TH RING ROAD, KING FAISAL MOTORWAY, INTERCHANGE 39, BRIDGE NO. 500/050-2NB-KUWAIT

CYPRUS

LIFTING OF BRIDGES AT LIMASSOL - ERIMI HIGHWAY - CYPRUS, REPLACEMENT OF BEARINGS

RETROFITTING OF BRIDGES AT LIMASSOL – ERIMI HIGHWAY, BRIDGE A. POLEMIDIA-STA. 1+137.50, BRIDGE B. AGIOS SYLAS-STA. 4+225.00, BRIDGE C. KOURIS RIVER DAM-STA. 5+404.70, BRIDGE D. IPSONAS-STA. 6+290.00-CYPRUS.

GREECE

LIFTING OF BRIDGE BRANCH 2 METAMORFOSI JUNCTION, ATTIKI ODOS, REPAIR OF BEARINGS

FREE HIGHWAY ELEFINA-SPATA AIRPORT, SECTION METAMORFOSI JUNCTION (THIVA (ELEFSINA) JUNCTION, SUBSECTION METAMORFOSI JUNCTION, BRIDGE OF BRANCH 2-GREECE.

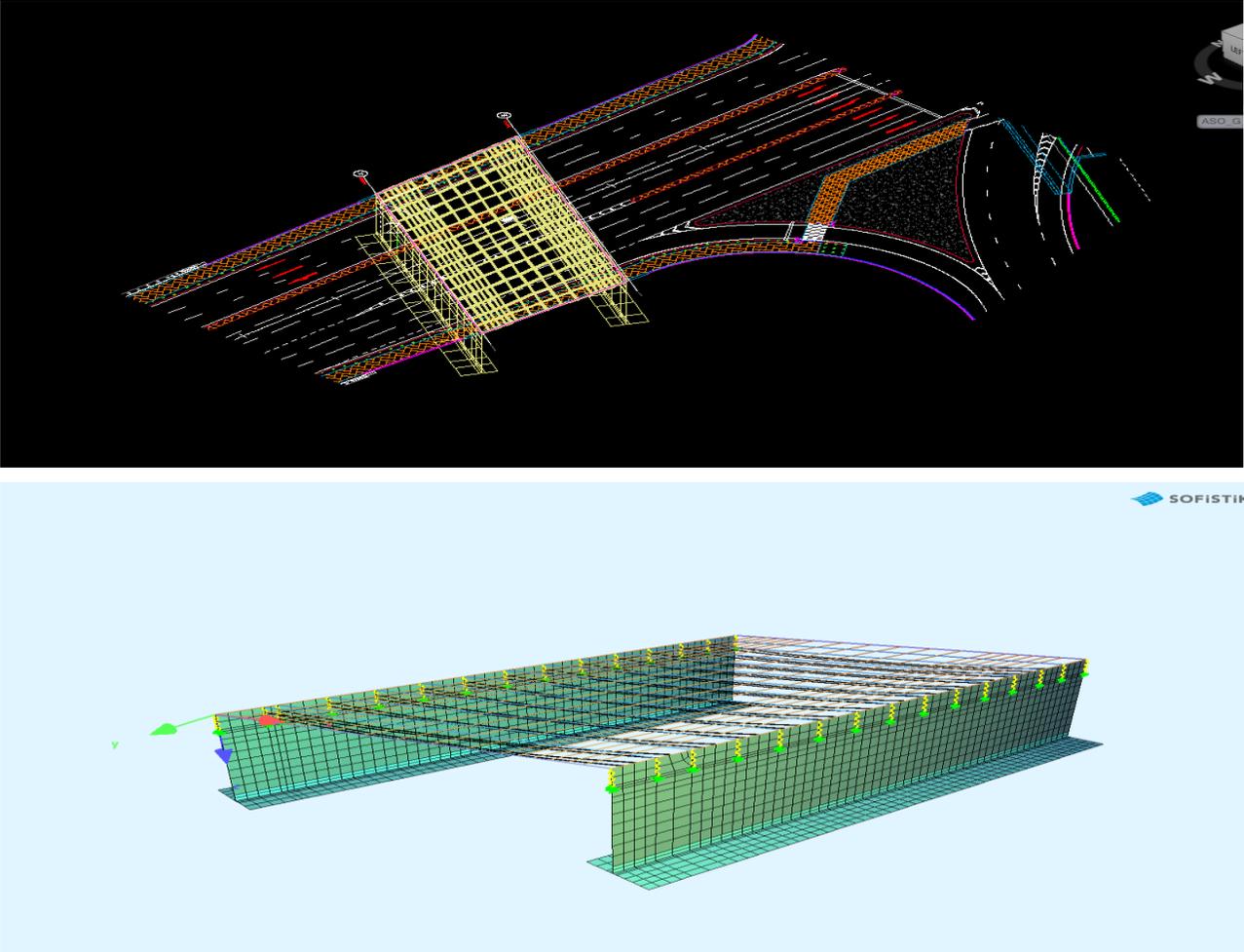
A DETAIL LIST OF MAINTENANCE PROJECTS WHICH I HAVE PARTICIPATED PRESENTED AT PAGES 23 UP TO 32.

12. Specific experience in the field:

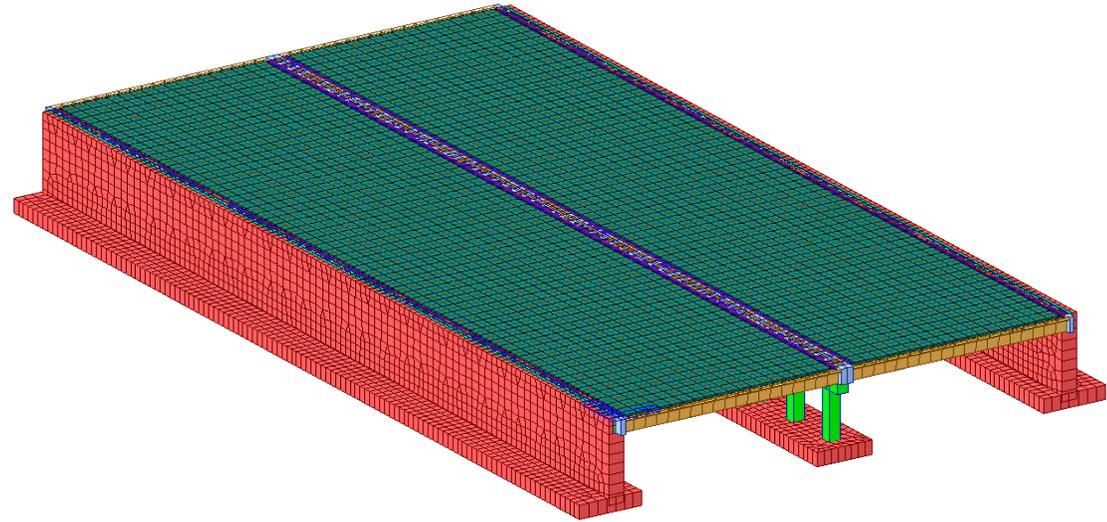
Country	Date from - Date to
GREECE 10/1997 – 07/1998	Odotexniki Consulting Engineering Office Trainee in preliminary design of concrete bridges and other Highway projects.
GREECE 07/1998 – 06/2001	Domostatikes Meletes Consulting Engineering Office Trainee in preliminary & final design of concrete bridges and other Highway projects.
GREECE 06/2001 – 07/2002	OMILOS TEXNIKON MELETON Consulting Engineering Office Bridge Engineer participated in a lot of project preliminary & final design of prestressed and reinforced concrete bridges and other Highway projects.
GREECE 07/2002 – 06/2005	EDR HELLAS-Omikron Kappa Design Office Bridge & Structural Engineer participated in a lot of project preliminary & final design of Underground structures (tunnels, cut&covers) and designing a lot of section for Athens Metro .
GREECE 06/2005 – 04/2012.	Obermeyer Hellas Lt d Consulting Engineering Office Bridge Engineer participated in a lot of project preliminary & final design of prestressed and reinforced concrete bridges, tunnels and other Highway projects.
GREECE 11/2007 – 04/2012..	Axon Meletes Lt d Consulting Engineering Office Senior Bridge Engineer participated in a lot of project preliminary & final design of prestressed and reinforced concrete bridges and other Highway projects.
GREECE 01/2009 – 10/2010.	DOMI Lt d Consulting Engineering Office Senior Bridge Engineer participated in a lot of project preliminary & final design of reinforced concrete bridges.
CYPRUS 11/2005 – 04/2012..	A.S.D. Hyperstatic Engineering Design Office Senior Bridge Engineer participated in a lot of project preliminary & final design of prestress and reinforced concrete bridges and other Highway projects.
GREECE 06/2005 – 2012.	ELEMKA –Trading & Construction Company. Consulting Advisor in the technical department dealing with bridge maintenance, bearings, expansion joints, prestress, isolators and other ant seismic devises.
KUWAIT 04/2012 – up to 10/2016	Louis Berger Group Inc Consultant Senior Design Engineer: Designing Supervising and Approving final designs of segmental bridge construction for the Jamal Abdul Nasser Street and Jahra Road in Kuwait.

<p>KUWAIT 04/2013 – up to 11/2013</p>	<p>Louis Berger Group Inc Consultant Senior Design Engineer:</p> <p>Reviewing the final Design for part of the project 'Consultancy Services for Study, Design and Construction Supervision for Kuwait Regional Road-North'.</p>
<p>KUWAIT 04/2015</p>	<p>Louis Berger Group Inc Consultant Senior Design Engineer:</p> <p>Participating in the Conceptual Design for the project 'Study, Design and Construction Supervision for Construction and Maintenance of Regional Road South Part (Section 2), Agreement No. EF/R/193 with the title: Design of the New Airport Interchanges for the Kuwait International Airport Terminal II Variation Order No. 2'.</p>
<p>Greece & Abroad 10/2016 – up to present</p>	<p>C.E.O. & Founder of AT CONSULTANTS-Cooperating with public and private sector, providing design services for Bridges-Tunnels-and other related Highway Projects.</p>
<p>Greece & Abroad 07/2018 – up to present</p>	<p>Member of the Board of AT CONSULTANTS INTERNATIONAL LIMITED a JV COMPANY which will carry out the works in Middle East, with office in Kuwait.</p>

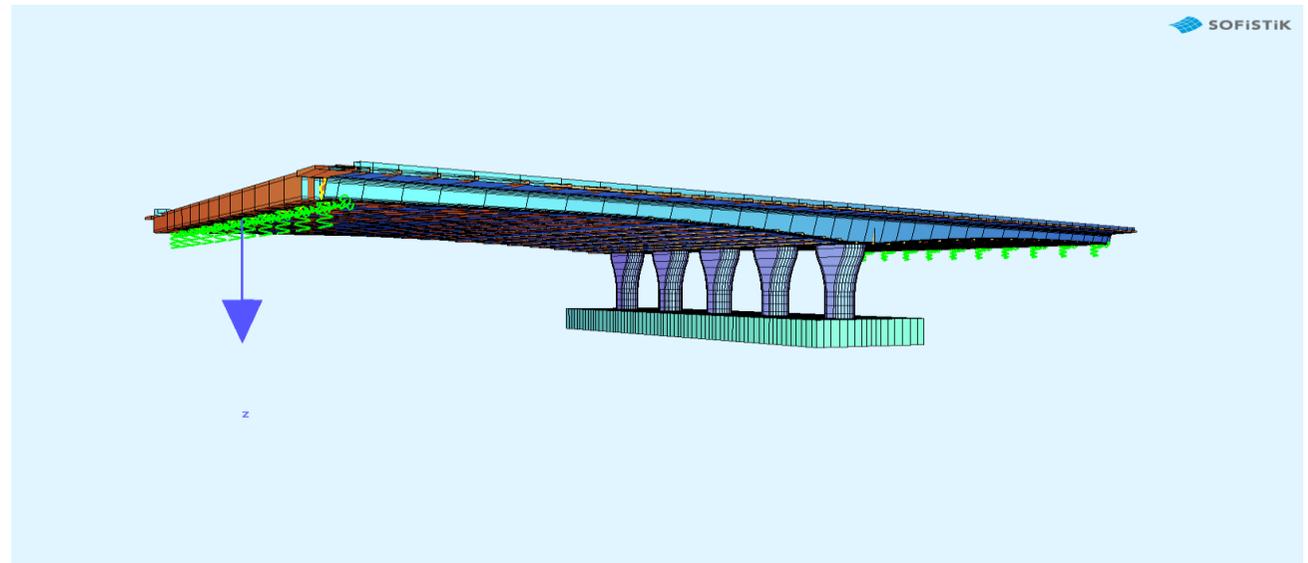
13. Professional experience

Date	Location	Company	Position	Description
2017-2018	Athens	A.T .Consultants	Manager	<p>Structural Design for 3 Bridges in QATAR for the Project: RAS BUFONTAS QEZ-1 Economic Zone</p> <p>Single Span Prestressed Integral Bridge :</p> 

Expressway Bridge: 2 spans Integral Bridge with precast prestressed beams for superstructure



Bridge BRO2: 2 spans prestressed cast in situ multi cell box girder bridge.



Date	Location	Company	Position	Description
2012-2015	Kuwait	Louis Berger	Designer	<p>Design & Design Review of Jahra Road Bridge for the Units 8,19,21,22,23,26,28.</p> <p>The above Bridges are designed with the Prestressed Segmental Balance Cantilever type.</p> <p>Bridge 8: 7 spans (37.33+43.00+43.00+43.00+43.00+43.00+37.33) total length L=289.66m</p> <p>Bridge 19: 5 spans (37.15+48.00+48.00+48.00+37.15) total length L=218.30m</p> <p>Bridge 21: 7 spans (43.15+51.00+57.00+57.00+53.45+46.30+39.40) total length L=347.30m</p> <p>Bridge 22: 4 spans (37.15+45.00+45.00+37.15) total length L=164.30m</p> <p>Bridge 23: 6 spans (37.15+45.00+45.00+45.00+45.00+37.15) total length L=254.30m</p> <p>Bridge 26: 7 spans (37.15+45.00+45.00+45.00+45.00+45.00+37.15) total length L=299.30m</p> <p>Bridge 28: 8 spans (37.15+45.00+50.00+50.00+50.00+50.00+45.00+35.25) total length L=362.40m</p> <p>This Bridge has been designed in order to carry both west and east branch. In diaphragm locations these two branches are connected and created one cross section. Bridge deck consists of two parallel box girders beam which are connected in diaphragm areas with the transverse beam. Superstructure is connected with substructure either with bearings or with monolithic connection. In case of bearings the design has propose one shear key in the middle and two sliding bearings left and right symmetrical to pier axis. One special hammerhead type pier has been foreseen to receive the loads from the deck to the foundation.</p> <p>Three different type of tendons have been designed for the deck cross section.</p> <ul style="list-style-type: none"> • Cantilever tendons • Internal tendons • External tendons <p>Characteristic point for the bridge is the big dimensions of the transverse beam in diaphragm areas. Typical dimensions for these elements which connect the two branches are 3.50x7.50x35.00m</p> <p>Segments of superstructure are mainly prestressed in transverse direction with flat tendons 5T15 each 55cm in order to be able to receive the internal forces that comes from the section cantilever length which is up to 4.0m in some locations. A single cell box girder has been chosen for deck sections with height is 2.65m and with variable width that reach 20m in some locations.</p> <p>For the design purpose separate checks have been executed.</p> <ul style="list-style-type: none"> • Longitudinal Direction <p>A space beam model has been created in which all necessary loads according to AASHTO 2004 have been applied. Construction Stages have been implemented in the design in order the bridge model follows the</p>

construction procedure. For this purpose, construction stage manager (csm) from sofistik software has been used.

- Transverse Direction

A frame beam model has been created in which all necessary loads according to AASHTO 2004 have been applied

- Combination Longitudinal with Transverse internal forces have been done in order to design the superstructure segments.
- Design for hammerhead pier sections.

A frame beam model has been created in which all necessary loads according to AASHTO 2004 have been applied. In addition strut&tie models have been used.



2012-2015	Kuwait	Louis Berger	Designer	<p>Design and Design Review for the Ramps in Jahra Road Project.</p> <p>The above Bridges are designed with the Prestressed Segmental Balance Cantilever type. The deck is designed to carry 2 traffic lanes and the width of superstructure is variable from 6.60m up to 10.80m.</p> <p>Bridge JRE: 5 spans (36.70+46.80+46.80+46.80+38.20) total length L=215.30m</p> <p>Bridge JRF: 5 spans (36.70+46.80+46.80+46.80+38.20) total length L=215.30m</p> <p>Bridge JRG: 4 spans (36.30+44.00+44.00+39.75) total length L=164.05m</p> <p>Bridge JRH: 4 spans (37.15+45.00+45.00+36.90) total length L=164.05m</p> <p>Bridge JRI: 3 spans (38.70+48.00+37.15) total length L=123.85m</p> <p>Bridge JRJ: 3 spans (38.70+48.00+37.15) total length L=123.85m</p> <p>Bridge JRN: 4 spans (46.95+46.95+46.95+36.30) total length L=177.15m</p> <p>Bridge HRA: 4 spans (37.15+45.00+45.00+36.90) total length L=164.05m</p> <p>Bridge HRB: 4 spans (37.15+45.00+45.00+36.90) total length L=164.05m</p> <p>Bridge GRB: 4 spans (37.15+45.00+45.00+36.90) total length L=164.05m</p> <p>Bridge GRC: 3 spans (39.80+48.50+38.30) total length L=126.60m</p> <p>Bridge ARA: 3 spans (33.88+44.30+32.30) total length L=110.48m</p> <p>Three different type of tendons have been designed for the deck cross section.</p> <ul style="list-style-type: none"> • Cantilever tendons • Internal tendons • External tendons <p>Segments of superstructure are mainly prestressed in transverse direction with flat tendons 5T15 each 55cm in order to be able to receive the internal forces that comes from the section cantilever length which is up to 4.0m in some locations. A single cell box girder has been chosen for deck sections with height is 2.65m and with variable width that reach 10.80m in some locations.</p> <p>For the design purpose separate checks have been executed.</p> <ul style="list-style-type: none"> • Longitudinal Direction <p>A space beam model has been created in which all necessary loads according to AASHTO 2004 have been applied. Construction Stages have been implemented in the design in order the bridge model follows the construction procedure. For this purpose, construction stage manager (csm) from sofistik software has been used.</p>
-----------	--------	--------------	----------	---

- Transverse Direction

A frame beam model has been created in which all necessary loads according to AASHTO 2004 have been applied

- Combination Longitudinal with Transverse internal forces have been done in order to design the superstructure segments.



2013	Kuwait	Louis Berger Group Inc	Senior Design-Engineer	Reviewing part of final design for project 'Consultancy Services for Study, Design and Construction Supervision for Kuwait Regional Road-North'. Cast in situ span by span bridges, Cast in situ Balance Cantilever Bridges, Bridges with Precast Prestressed Beams as Superstructure and Bridges with Voided slab as Superstructure are included in the above final design.
2011	Kuwait	Tranoulis	Designer-Manager Director	Design of Static Capacity during bridge lifting for the project: ' 1st Ring Road, Jahra Gate Roundabout - Kuwait '. More specifically the effects of bridge lifting were taken into consideration in order to replace bridge bearing.
2011	Cyprus	Tranoulis	Designer-Manager Director	Design of Static Capacity during bridge lifting for the project: ' Bridge Repairing at Limasol-Erimi Highway '. More specifically the effects of bridge lifting were taken into consideration for four bridges which were constructed in the 70's. In order to upgrade these bridges, we replace the existing bearing with new anti-seismic devices.
2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Design of seven bridges for the project: ' Design of new Highway between Nicosia-Palaixwri stages B & C '. More specifically the following bridges were designed: Three over bridges each one has two spans and section for superstructure with precast beam and with deep foundation through pilecap system. OB1 at CH. 7+274.40 total length 28.40m. OB2 at CH 8+002.89 total length 28.90m. OB3 at CH 8+723.71 total length 40.50m. Three under passes frame bridges, with solid slab for superstructure and with deep foundation through pilecap system. UP1 at CH. 11+185.25 total length 16.70m. UP2 at CH. 11+885.91 total length 11.00m. UP3 at CH. 12+949.83 total length 13.00m. One Bridge with total length 140.0m and section for superstructure with precast prestressed beams and with deep foundation through pilecap system. Bridge D2 at CH 9+984.17 CH 10+122.56. The design is based on new European Codes and National Annex of Cyprus.
010-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Bridge Design for the project: ' Design & Construction the extension and Upgrading of the Highway between Nicosia-Limasol (A1) from Latsia Intersection until Alambra '. More specifically the following bridges were estimated: One Bridge over Almyros river with total length 65.0m with three span and section for superstructure with precast beam and with deep foundation through pile cap system. One under pass frame bridge, with precast beam for superstructure and with spread foundation. The design is based on new European Codes and National Annex of Cyprus.
2010-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Bridge Design at Nicosia Square for the project: ' Upgrading of Nicosia Square and the Surrounding area '. More specifically a specially designed solid hart –shaped slab designed by ' ZAHA HADID ARCHITECTS ' in London was dimensioned and analyzed. Substructure completes of piers with V shape and special pot bearings

				<p>have been foreseen to be installed at the top of the piers. The superstructure has an integral connection at the two basic edges and has deep foundation through pile cap system. The design is based on new European Codes and National Annex of Cyprus.</p>
2011	Greece	AXON Design Office L.t.d.	Designer-Manager Director	<p>Draft Planning of 21 civil works for the project: 'Upgrading of the North Highway in Crete B.O.A.K.'. More specifically the designer has created the shape of the following project and gave instructions for the drawings. 7 Underpasses frame bridges with box shape. 5 Over Bridges each one with one span and prestressed voided slab for superstructure section. 1 Cut&Cover with total length 150.0m and with variable earth fill height from h1=0.50m to h2=14.0m 4 Long Bridges MOYSELA Bridge at CH 9+897.25 with total length L=340.00m Bridge at CH 12+010 with total length L=240.00m CABROY Bridge at CH 8+750.00 with total length L=202.00m Semi bridge at CH 1+885.62 with total length L=135.00m 4 Bridges (2 near Petre River and two near the existing bridges Gerani & Zourida)</p>
2010	Greece	OBERMEYER Hellas L.t.d	Designer	<p>Preliminary Design of three Bridges for the project: 'Design of Upgrading E.O.2 at section Thessaloniki - Edessa. Design for the section Maurovouni-Edessa.' Stream Bridge at CH 24+211.23 frame bridge with total length L=25.00m with voided slab as superstructure section. Underpass at CH 24+211.23 frame screw integral bridge with total length L=16.00m. The superstructure will be constructed in stages with the use of precast beam. Underpass at CH 43+916.27 frame screw bridge with total length L=17.50m with solid slab as superstructure section. The design is based on new German Codes DIN F/B.</p>
2010	Greece	DOMI L.t.d	Designer	<p>Preliminary-Final Bridges Design for the project: 'Design –Construction-Service-Maintance of Elephina-Korinthos-Patra- Pirgos-Tsakona Motorway (APION KLEOS C.J.V) at section Korinthos-Kiato'. Bridge geometry and construction stages were defined and bridge calculations for the following frame bridges with superstructure of solid slab . Underpass K.D.111 at CH. 7+543.55 Underpass K.D 115 at CH 9+763.09 Underpass K.D 125 at CH 16+669.72 Underpass K.D 127 at CH 16+890.86 Underpass K.D 130 at CH 19+199.05 The design is based on the old German Codes DIN.</p>

2010	Greece	DOMI L.t.d	Designer	Final Design of Petrenia Bridge for the project: ' Design of Petrenia Damp in Xalkidiki area '. More specifically a frame bridge with box shape was designed according to new European Codes EC2.
2010-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Preliminary Design of Zygos Bridge for the project: ' Construction and Design for the Upgrading of Zygos Bridge '. It involves the static and anti seismic upgrading of the existing bridge with total length 150.00m. The superstructure consists of precast beam. New anti seismic devices have been foreseen to install at the top of the bridges piers. The design is based on new European Codes and National Annex of Cyprus.
2009-2010	Greece	OBERMEYER Hellas L.t.d	Designer	Final Design of the Overpass Bridge for the project: ' Design of transverse axis of Egnatia Highway. Interchange at CH 0+166 of branch 3 at South A/K SOUFLI of axis number 80. ' Analysis and Design of a prestressed concrete bridge with total length L=116.00m divided in three span. It is a box girder bridge in which elastomeric bearings have installed between substructure and superstructure. The bridge was calculated with the use of new German Codes for Bridges (DIN F/B).
2009-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Design of the four concrete tanks for the project ' Construction & Design Kanavious Distillery. ' The static space models of these tanks were constructed with the use of SOFIPLUS SOFiSTiK STATIC Program using quad and beam elements. The design is based on new European Codes and National Annex of Cyprus.
2009-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Design of the Steel Footbridge for the project ' New athletic park in the area G.S.O. in Limassol Cyprus. ' A steel bridge with total length of 25.00m is designed according to new European Codes (EC3) and National Annex of Cyprus. Bridge superstructure has the shape of reverse Δ with three hollow core beams at the top and one at the bottom. Especially design diagonal beams have been foreseen in order to provide lateral stiffness in the structure. The superstructure is supported on specially design sliding bearings.
2009-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Design and Supervisor Checking for the extension of the bridge over Kalogiros River for the project: ' Nicosia Limasol Highway New Transportation net near G.S.O. '. More specifically the following bridges were designed: Bridge over the Motorway at CH. 81+690. The Design of the East & West part of Kalogiros Bridge at CH. 82+250 - CH 82+300. Bridge over the Motorway at CH 81+840. In order to meet the new traffic requirements the width of the existing bridges had to be extended. This was achieved by having constructed a new girder beam bridge close to the existing bridge. The design had foreseen the upgrading of the existing bridge by replacing the bearings with new anti seismic devices.
2009-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Design of a water tank for the project: ' Water tank in Limasol '. The static space models of this tank were constructed with the use of SOFIPLUS SOFiSTiK STATIC Program using quad and beam elements. The design is based on new European Codes and National Annex of Cyprus

2009-2011	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Final Bridge Design for the project: 'Limasol Road at CH. 0+300 – 0+380' . It involves a bridge with total length of 80.0m and section for superstructure with precast beam and with deep foundation through pilecap system.
2009	Greece	INSTANT-PAPANIKOLAOU	Designer	Prestress and cross section checking of three bridges with precast prestress beam superstructure. These bridges are going to be constructed in Rodos Island and the contractor asked the designer to estimate alternative possibilities of the cross section and prestressing.
2007-2009	Greece	AXON Design Office L.t.d.	Designer-Manager Director	Preliminary Design for the project: 'Design of the Road connecting AKTIO-West Greek Axis North-South' . The Designer was responsible for the following projects: Bridge T7 with one span 35.00m length with prestress voided slab as superstructure. Bridge T10 with one span 32.00m length with prestress voided slab as superstructure. Bridge T21 with one span 32.50m length with prestress voided slab as superstructure. Under pass frame Bridge T6 with box shape and with dimensions 11.50x6.50. Under pass frame Bridge T9 with box shape and with dimensions 12.50x6.60. Under pass frame Bridge T12 with box shape and with dimensions 11.50x7.50. T13 Pile wall with permanent and prestress anchors. T14a&T14d Pile wall with permanent and prestress anchors. Under pass frame Bridge T20 with box shape and with dimensions 11.50x8.00. Under pass frame Bridge T23a with box shape and with dimensions 11.50x6.13. Under pass frame Bridge T25 with box shape and with dimensions 11.50x7.18. T22 Culvert with box shape and with dimensions 5.00x2.50. Under pass Footbridge T0 with box shape and with dimensions 5.00x2.50.
2007	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Preliminary Design of NEW PAPHOS- POLIS HIGHWAY. Over bridge B8 at CH. 24+834 3D modeling of three spans overpass bridge with precast prestress concrete beams for superstructure. Preliminary Design of NEW PAPHOS- POLIS HIGHWAY. Overbridge B5 at CH. 15+081 3D modeling of one span skew overpass prestressed concrete bridge with multi cell box girder for superstructure. Preliminary Design of NEW PAPHOS- POLIS HIGHWAY. Over bridge B7 at CH. 10+275 3D modeling of one span overpass prestressed concrete bridge with multi cell box girder for superstructure.

2007	Greece	ELEMKA – Trading & Construction Company	Consulting Advisor	Design and built a special steel cantilever frame which could be placed on the abutments in order to lift the bridge and replace bridge bearings. Maintenance and Upgrading of old – historic bridges (1896) at the Diakofto –Kalavrita cog railway
2006	Cyprus	A.S.D. Hyperstatic Engineering Design	Designer	Participation on Louis Berger Group Inc Kuwait project under supervision of Mr Peter Fox in Upgrade of Jamal Abdul Nasser Street and Jahara Road. 1. Preliminary Design of the Unit G1 overpass bridge at Chazali Street in STA 1594.835 -STA.1720.065 which is located between the existing concrete viaduct and the standard twin 3 lane segment viaduct. Three span overpass prestress concrete bridge of 130 meters length (36+52.23+36).Bridge section: multi cell box girder with variable deck width, design with longitudinal and transverse prestress cables.Foundation:deep foundation through piles 2. Preliminary Design of the RAMP NPJ1 overpasses bridge. Reinforcement concrete circular bridge of 300 meters length (10 spans) with an expansion joint in the central part of the bridge. Bridge section: double cell box girder. Foundation: deep foundation through piles.
2006	Greece	Tranoulis	Designer-Manager Director	Final design of the prestressed concrete slab for the pedestrian bridge of the new athletic park in the area G.S.O. in Limassol Cyprus.
2006	Greece	Obermeyer Hellas	Designer	Egnatia Odos part 60.2.2 (TY3 8+458.55km): Final design of fourth span prestress concrete bridge foundation through piles and with voided slab cross section for deck.
2006	Greece	Obermeyer Hellas	Designer	Egnatia Odos part 60.2.2 (TY10 8+458.55km): Final design of fourth span prestress concrete bridge foundation through piles and with voided slab cross section for deck.
2006	Greece	Karanikolas and Consultants	Designer	Final design of circular reinforcement concrete bridge (pier M4-M8 and M8-A2) with voided slab cross section for deck. National Road Athens –Thessaloniki Agia Paraskeyh Interchange. Bridge foundation through piles.
2006	Greece	Kalantzi K and Consultants	Designer	Final design of two reinforcement concrete bridge with solid slab cross section for deck. Located at Karlobasi Samou with 12+12+12 meters leght.
2005	Greece	Obermeyer	Designer	Egnatia Odos part Redina-Asprovalta. Final design (T3 overpass 3 span prestress concrete bridge): Spread foundation and with box girder cross section for deck.
2005	Greece	Obermeyer Hellas	Designer	Ergose Railway Bridge Part Korinthos-Patra. Final design of one span box bridge KD 49.
2005	Greece	Obermeyer Hellas	Designer	Ergose Railway Bridge Part Korinthos-Patra. Final design of one span box bridge KD 39.

2005	Greece	Obermeyer Hellas	Designer	Ergose Railway Bridge Part Korinthos-Patra. Final design of one span box bridge KD 44.
2005	Greece	Obermeyer Hellas	Designer	Redesign of two prestress concrete viaduct at National Road Tripoli-Kalamata. Deck with precast prestressed concrete beam with pretensioning tendoms.
2004	Greece	Obermeyer Hellas	Designer	Ergose Railway Bridge Part Korinthos-Patra. Final design of one span box bridge KD 45.
2004	Greece	Omicron-Kappa Engineering Design	Designer	ATTIKO METRO: Design of final lining of East Blast Shaft in Agios Sabbas Station. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2004	Greece	Omicron-Kappa Engineering Design	Designer	ATTIKO METRO: Design of final lining of Agios Sabbas Station. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2004	Greece	Omicron-Kappa Engineering Design	Designer	Final Design and analysis of Cut-Cover outside Naupaktos city.
2003	Greece	Omicron-Kappa Engineering Design	Designer	ATTIKO METRO: Design of final lining of the extension line 3 from Monastiraki-Egaleo Station. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2003	Greece	Omicron-Kappa Engineering Design	Designer	National Road Athens –Thessaloniki part Kakia-Skala: Final Design and analysis of culverts, retaining walls and walls with pile foundation.
2002	Greece	Omicron-Kappa Engineering Design	Designer	National Road Athens –Thessaloniki part Kakia-Skala: Final Design of tunnel final lining AS1, AS2and AS3.
2002	Greece	Omicron-Kappa	Designer	Design of final lining of Agios Hlias tunnel. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2002	Greece	Omicron-Kappa Engineering Design	Designer	National Road Athens –Thessaloniki part Kakia-Skala: Three span prestress concrete bridge with precast prestressed concrete beam with post tensioning tendoms. Substructure with hollow piers founded through piles.
2001	Greece	O.T.M. Omilos Texnikon Meleton	Designer	Ergose Railway Bridge GO2 located at IKONIO. Four span prestress concrete bridge with precast prestressed concrete beam with post tensioning tendoms. Substructure with hollow piers founded through surface foundation.
2001	Greece	O.T.M. Omilos Texnikon Meleton	Designer	Ergose Preliminary Design of four Railway Bridges located at Kiato. Reinforcement concrete frame bridges with pile foundation.

2001	Greece	O.T.M. Omilos Texnikon Meleton	Designer	Attiki Odos part AO6 Bridge overpass T21. Constructed by AKTOR Company. Participation on the design and analysis of the seven spans overpass bridge with main characteristic the different type of superstructure deck. In more details monolithic construction in the first four span with voided slab as superstructure deck (that means capacity design for seismic analysis), precast concrete beams over the railway lines and finally for the last two span voided slab as superstructure deck supported on bearings.
2001	Greece	O.T.M. Omilos Texnikon Meleton	Designer	Attiki Odos part AO6 Bridge overpass T22. Constructed by AKTOR Company. Participation on the design and analysis of the six spans overpass pedestrian. In more details monolithic construction between substructure and superstructure, with voided slab as superstructure deck. Deep foundation through piles.
1998-2001	Greece	Domostatikes	Designer	Attiki Odos part AO2 Bridge underpass T03
1998-2001	Greece	Domostatikes	Designer	Attiki Odos part AO2 Bridge overpass T04. Constructed by AKTOR Company. Participation on the design and analysis of the three spans overpass prestressed concrete box girder bridge. In more details substructure link with superstructure by the use of elastomeric bearings. Deep foundation through piles.
1998-2001	Greece	Domostatikes	Designer	Attiki Odos part AO4 Single span prestress bridge T04
1998-2001	Greece	Domostatikes	Designer	Egnatia Odos part 14.3 Single span prestress bridges over aspropotamos river. Participation on the design and analysis of the single span prestressed concrete bridge. In more details voided slab as superstructure deck which is supported on bearings at the abutments region. Deep foundation through piles.
1998-2001	Greece	Domostatikes	Designer	Egnatia Odos part 2.3 Design and analysis of final lining of Driskos Tunnel.
1997-8	Greece	Odoteniki	Designer	Experience from the analysis of frame bridges, culverts, retaining walls

Professional experience for underground structures.

1998-2001	Greece	Domostatikes	Designer	Egnatia Odos part 2.3 Design and analysis of final lining of Driskos Tunnel. Several 2D and 3D models have been created in order to design the critical sections of the tunnel.
2002	Greece	Omicron-Kappa	Designer	Design of final lining of Agios Hlias tunnel. 3d model has been created with the use of Sofiplus Design Program with quad elements in order to estimate the behavior of the tunnel and to proceed in the design of cross section.
2002-2003	Greece	Omicron-Kappa Engineering Design	Designer	National Road Athens –Thessaloniki part Kakia-Skala: Final Design of tunnel final lining AS1, AS2and AS3. Several 2D and 3D models have been created in order to design the critical sections of the tunnel.
2003-2004	Greece	Omicron-Kappa Engineering Design	Designer	ATTIKO METRO: Design of final lining of the extension line 3 from Monastiraki-Egaleo Station. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2004	Greece	Omicron-Kappa Engineering Design	Designer	Participation in the Assignment Contract Consultant Duties to control Tunnel category III Studies (A367 COMP. Laws). Tunnel control T8 section 2.4 River arachthos-Peristeri along with technical (cut & cover) input/output of the tunnel for the aft/Mo EGNATIA ODOS. Simulation of body using framed elements and controls for both the static and seismic actions.
2004-2005	Greece	Omicron-Kappa Engineering Design	Designer	ATTIKO METRO: Design of final lining of East Blast Shaft in Agios Sabbas Station. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2004-2005	Greece	Omicron-Kappa Engineering Design	Designer	ATTIKO METRO: Design of final lining of Agios Sabbas Station. 3d model presentation with the use of Sofiplus Design Program with quad elements.
2008	Cyprus	A.S.D. Hyperstatic Engineering	Designer	Participation in preliminary and final design of Mitsero Tunnel. 3d model presentation with the use of Sofiplus Design Program with quad elements.

		Design		
2005-2006	Greece	OBERMEYER Hellas L.t.d	Designer	Participation in preliminary and final Design of Aigio Tunnel for the project: Preparation of final design alignment of the railway line and the road network in the vicinity of R.r. Aigion (K.p. 83 + 400 to 85 + 400) within the framework of the project "Residual studies new railway infrastructure normal range between Corinth-Patras section from km. 75-km. 90. A.d. 360»
2009-2010	Greece	OBERMEYER Hellas L.t.d	Designer	Participation in preliminary and final Design of Maurovouni Tunnel for the project: 'Design of Upgrading E.O.2 at section Thessaloniki - Edessa. Design for the section Maurovouni-Edessa.' 3d model presentation with the use of Sofiplus Design Program with quad elements.
2011	Greece	AXON Design Office L.t.d.	Designer-Manager Director	Draft Planning of 21 civil works for the project: 'Upgrading of the North Highway in Crete B.O.A.K.'. More specifically the designer has created the shape of the following project and gave instructions for the drawings. 7 Underpasses frame bridges with box shape. 5 Over Bridges each one with one span and prestressed voided slab for superstructure section. 1 Cut&Cover with total length 150.0m and with variable earth fill height from h1=0.50m to h2=14.0m 4 Long Bridges
2004-2005	Greece	Omicron-Kappa Engineering Design	Designer-Manager Director	THESSALONIKI METRO: PYLAIA DEPOT, Temporary and Permanent Retaining-Construction Methodology for the project: 'NEW RAILWAY STATION-N.ELVETIA STATION AND PYLEA DEPOT'. Design of the retaining system using 2D and 3D models with the use of Sofistik/Sofiplus.
2003-2005	Greece	Omicron-Kappa Engineering Design	Designer-Manager Director	MUNCHEN MOOSACH STATION: Design review and estimate proper reinforcement for the retaining system at the upgrading of Moosach Station in MUNICH. With the use of Sofistik structural program several 2D frame model have been considered represent the section of the retaining system. In addition different construction stages with the use of steel beams have been taken into consideration

List of inspections and lifting superstructure projects

S/N	PROJECT	DATE	OWNER	CONTRACTOR	LIFTING CAPACITY
1.	LIFTING OF BRIDGE NO. 10, FIRST RING ROAD AT JAHRA GATE ROUNDABOUT – KUWAIT, REPAIR OF BEARING CONSTRUCTION & MAINTENANCE OF ROADS, BRIDGES, DRAINAGE, SEWER AND OTHER SERVICES FOR THE COMPLETION OF FIRST RING ROAD – JAHRA GATE ROUNDABOUT (PACKAGE 1), CONTRACT NO. RA/106)-KUWAIT	SEPTEMBER 2011	STATE OF KUWAIT, MINISTRY OF PUBLIC WORKS, ROADS ADMINISTRATOR	AKTOR ATE – COPRI J/V	8 JACKS OF LIFTING CAPACITY 390 TONS EACH
2.	LIFTING OF BRIDGES AT LIMASSOL - ERIMI HIGHWAY - CYPRUS, REPLACEMENT OF BEARINGS RETROFITTING OF BRIDGES AT LIMASSOL – ERIMI HIGHWAY, BRIDGE A. POLEMIDIA-STA. 1+137.50, BRIDGE B. AGIOS SYLAS-STA. 4+225.00, BRIDGE C. KOURIS RIVER DAM-STA. 5+404.70, BRIDGE D. IPSONAS-STA. 6+290.00-CYPRUS	JULY - OCTOBER 2011	REPUBLIC OF CYPRUS, PUBLIC WORKS SECTION	NEMESIS CONTRACTING LTD – MAN J/V.	8 JACKS OF LIFTING CAPACITY 60 TONS EACH
3.	LIFTING OF BRIDGE OVER KALOGEROS RIVER, LEFKOSIA - LIMASSOL HIGHWAY - CYPRUS, REPLACEMENT OF BEARINGS ROAD NETWORK AT NEW G.S.P., BRIDGE OVER KALOGEROS RIVER-CYPRUS	OCTOBER 2010-MAY 2011	REPUBLIC OF CYPRUS, PUBLIC WORKS SECTION	MILTIADES NEOPHYTOU L.T.D.	8 JACKS OF LIFTING CAPACITY 60 TONS EACH
4.	LIFTING OF BRIDGE T-9, EGNATIA ODOS, INSTALLATION OF BEARINGS CONSTRUCTION OF SECTION FROM TUNNEL T8 TO JUNCTION PERISTERI, STRUCTURE T9-GREECE	MARCH- APRIL 2010	EGNATIA ODOS S.A.	AKTOR A.T.E.	4 JACKS OF LIFTING CAPACITY 390 TONS EACH
5.	LIFTING OF BRIDGE BRANCH 2 METAMORFOSI JUNCTION, ATTIKI ODOS, REPAIR OF BEARINGS FREE HIGHWAY ELEFINA-SPATA AIRPORT, SECTION METAMORFOSI JUNCTION (THIVA (ELEFSINA) JUNCTION, SUBSECTION METAMORFOSI JUNCTION, BRIDGE OF BRANCH 2-GREECE	MARCH 2010	MINISTRY OF PUBLIC WORKS	ERGAS A.T.E.- ERGA ELLADOS S.A. – P. KLADIS S.A. – AKTOR A.T.E. J/V.	4 JACKS OF LIFTING CAPACITY 390 TONS EACH AND 4 JACKS OF LIFTING CAPACITY 20 TONS
6.	LIFTING & SLIDING OF ARCHED STEEL RAILWAY BRIDGE, LENGTH 110M EXCAVATION & TECHNICAL WORKS FOR	NOVEMBER 2009	ERGA OSE S.A. HELLENIC RAILWAY	AKTOR A.T.E – PANTECHNIKI S.A. J/V.	4 JACKS OF LIFTING CAPACITY 390

S/N	PROJECT	DATE	OWNER	CONTRACTOR	LIFTING CAPACITY
	CONNECTION OF RAILWAY LINE OF N. IKONIO SEA-PORT WITH THE RAILWAY NETWORK-GREECE		ORGANISATION		TONS EACH AND 8 JACKS OF LIFTING CAPACITY 250 TONS EACH PLACED ON 4 SLIDING DEVICES OF SLIDING CAPACITY 5M/H
7.	LIFTING OF OVER PASS BRIDGE - CHESNIGIROVO 1 AT STA 178+692.57 – PLOVDIV-BULGARIA PLOVDIV – SVILENGRAND RAILWAY, ELECTRIFICATION & UPGRADING OF CORRIDORS IV & IX, PHASE 1: KRUMOVO-PARVOMAI, STA 164+575.00-STA 202+300.00-BULGARIA	JULY 2009	MINISTRY OF TRANSPORT-NATIONAL RAILWAY INFRASTRUCTURE COMPANY	TERNA, UACEG	7 JACKS OF LIFTING CAPACITY 60 TONS EACH
8.	STRUCTURES 116A-102, NEW ATHENS INTERNATIONAL AIRPORT, REPAIR & MAINTENANCE OF BEARINGS STRUCTURES 116A (AIRCRAFT BRIDGE)-102, N.A.I.A-GREECE	MAY 2009	NEW ATHENS INTERNATIONAL AIRPORT, EL. VENIZELOS	TOMI ABETE	
9.	LIFTING OF BRIDGE 104 W-E, NEW ATHENS INTERNATIONAL AIRPORT, REPLACEMENT OF BEARING STRUCTURE 104 W-E, N.A.I.A-GREECE	APRIL 2009	NEW ATHENS INTERNATIONAL AIRPORT, EL. VENIZELOS	TOMI ABETE	4 JACKS OF LIFTING CAPACITY 390 TONS EACH
10	STRUCTURES 100W-100E-099-104 W-E, NEW ATHENS INTERNATIONAL AIRPORT, REPAIR & MAINTENANCE OF BEARINGS STRUCTURES 100W-100E-099-104 W-E, N.A.I.A-GREECE	JANUARY-MARCH 2009	NEW ATHENS INTERNATIONAL AIRPORT, EL. VENIZELOS	TOMI ABETE	
11	LIFTING, SUSPENSION & TRANSPORTATION OF RAILWAY BRIDGE PARALLAGIS 6, REPLACEMENT OF BEARINGS CONSTRUCTION OF SUBSTRUCTURE OF THE NEW DOUBLE RAILWAY AT SECTION KIATODODAFNI FROM STA 28+000 TO STA X.Θ. 67+870 AND FROM STA 79+000 TO STA 91+500	DECEMBER 2008	ERGA OSE S.A. HELLENIC RAILWAY ORGANISATION	MICHANIKI S.A.	4 JACKS OF LIFTING CAPACITY 20 TONS EACH

S/N	PROJECT	DATE	OWNER	CONTRACTOR	LIFTING CAPACITY
	(INCLUDING DERVENI TUNNELS EXCLUDING AIGIO TUNNEL)-GREECE				
12	LIFTING OF BRIDGE T-16, ATTIKI ODOS HIGHWAY, REPAIR OF BEARING STRUCTURE T-16-GREECE	MARCH 2008	MINISTRY OF PUBLIC WORKS	ELLINIKI TECHNODOMI KI S.A.-J&P-AVAX S.A. J/V	4 JACKS OF LIFTING CAPACITY 390 TONS EACH
13	LIFTING OF TEN (10) RAILWAY BRIDGES (5 STRAIGHT & 5 ARCHED) OF DIAKOPTO-KALAVRYTA RAILWAY (COGRAIL), REPLACEMENT OF BEARINGS RETROFITTING OF DIAKOPTO-KALAVRYTA RAILWAY-GREECE	JULY 2007-FEBRUARY 2008	HELLENIC RAILWAY ORGANISATION	EDRACO A.T.E	4 JACKS OF LIFTING CAPACITY 20 TONS EACH
14	LIFTING OF MESOVOUNI BRIDGE, EGNATIA HIGHWAY, REPLACEMENT OF BEARINGS MESOVOUNI BRIDGE, EGNATIA HIGHWAY-GREECE	MARCH 2007	EGNATIA ODOS S.A.	MICHANIKI S.A. – S. SIGALAS A.T.E J/V	2 JACKS OF LIFTING CAPACITY 390 TONS EACH
15	LIFTING OF BRIDGE AT JUNCTION K1-K4, STRUCTURE T4, THESSALONIKI OUTER RING ROAD, REPLACEMENT OF BEARINGS STRUCTURE T-4, OUTER RING ROAD OF THESSALONIKI, EGNATIA HIGHWAY-GREECE	SEPTEMBER 2006	EGNATIA ODOS S.A.	D. TSIGKROS – CIVIL ENGINEER	7 JACKS OF LIFTING CAPACITY 310 TONS EACH
16	LIFTING OF AMMOUDIA BRIDGE, REPLACEMENT OF BEARINGS RETROFITTING OF AMMOUDIA BRIDGE-GREECE	NOVEMBER 2004	MINISTRY OF PUBLIC WORKS	SIRIS A.T.E	4 JACKS OF LIFTING CAPACITY 100 TONS EACH
17	LIFTING OF AG. ANNIS BRIDGE AT KIFISSOS RIVER, REPLACEMENT OF BEARINGS BRIDGE AT KIFISSOS RIVER STA 1+400-3+060 (AG. ANNIS BRIDGE)-GREECE	JULY 2004	MINISTRY OF PUBLIC WORKS	AKTOR A.T.E – ELL. TECHNODOMI KI S.A. – TEB S.A. J/V	6 JACKS OF LIFTING CAPACITY 200 TONS EACH
18	LIFTING OF KAISARIANI BRIDGE, REPLACEMENT OF BEARINGS ATTIKI ODOS-ALIMOS-KAREAS-KATECHAKI JUNCTION-(KAISARIANI BRIDGE)-GREECE	MARCH – APRIL 2004	MINISTRY OF PUBLIC WORKS	AKTOR A.T.E – ATTIKAT A.T.E J/V	4 JACKS OF LIFTING CAPACITY 390 TONS EACH
19	LIFTING OF KRISTALLOPIGI BRIDGE, REPLACEMENT OF BEARINGS EGNATIA HIGHWAY – KRISTALLOPIGI BRIDGE-GREECE	FEBRUARY 2004	EGNATIA ODOS S.A.	MICHANIKI S.A. – S. SIGALAS A.T.E. J/V	4 JACKS OF LIFTING CAPACITY 400 TONS EACH

List of inspections of Bridge elements (bearings, expansion joints, prestress)

S/N	PROJECT	DATE	OWNER	CONTRACTOR
1.	INSPECTION OF BEARINGS PATHE MOTORWAY – NEW RIVER SPERCHEIOS BED – END OF MOTORWAY RODITSA OF PATHE AXIS, STRUCTURES T7, T5Δ, T1Δ, T2, T9A & T9Δ	OCTOBER 2013	MINISTRY OF INFRASTRUCTURE TRANSPORTATION & NETWORK	PORTO KARRAS S.A.
2.	INSPECTION OF BRIDGE ELEMENTS AIRPORT ROAD, 4 TH RING ROAD, BRIDGES NO. 040/550-2EB/WB, INTERCHANGE 21 (YARMOUK BRIDGES)-KUWAIT	JULY 2013	MOTORWAY & BRIDGES MAINTENANCE DEPARTMENT MAINTENANCE ENGINEERING ADMINISTRATION KUWAIT MINISTRY OF PUBLIC WORKS	KCC ENGINEERING & CONSTRUCTING COMPANY (KCCEC)
3.	INSPECTION OF BRIDGE ELEMENTS FAHAHEEL EXPRESSWAY, BRIDGE NO. 072/300 2NB - INTERCHANGE 72 (BRIDGE F-11)-KUWAIT	APRIL 2013	MOTORWAY & BRIDGES MAINTENANCE DEPARTMENT MAINTENANCE ENGINEERING ADMINISTRATION KUWAIT MINISTRY OF PUBLIC WORKS	ELEMKA S.A.
4.	INSPECTION OF BRIDGE ELEMENTS FAHAHEEL EXPRESSWAY, BRIDGE NO. 072/300 2SB - INTERCHANGE 72 (BRIDGE F-11)-KUWAIT	APRIL 2013	MOTORWAY & BRIDGES MAINTENANCE DEPARTMENT MAINTENANCE ENGINEERING ADMINISTRATION KUWAIT MINISTRY OF PUBLIC WORKS	ELEMKA S.A.
5.	INSPECTION OF BRIDGE ELEMENTS KING FAISAL MOTORWAY, BRIDGE NO. 080/500 2WS (PREVIOUSLY NUMBERED 23C) - INTERCHANGE 53 (PREVIOUSLY NAMED 23)-KUWAIT	DECEMBER 2012	MOTORWAY & BRIDGES MAINTENANCE DEPARTMENT MAINTENANCE ENGINEERING	KCC ENGINEERING & CONSTRUCTING COMPANY (KCCEC)

S/N	PROJECT	DATE	OWNER	CONTRACTOR
			ADMINISTRATION KUWAIT MINISTRY OF PUBLIC WORKS	
6.	INSPECTION OF BRIDGE ELEMENTS KING FAISAL MOTORWAY, BRIDGE NO. 510/500 2NW (PREVIOUSLY NUMBERED 24B) - INTERCHANGE 67 (PREVIOUSLY NAMED 24)-KUWAIT	DECEMBER 2012	MOTORWAY & BRIDGES MAINTENANCE DEPARTMENT MAINTENANCE ENGINEERING ADMINISTRATION KUWAIT MINISTRY OF PUBLIC WORKS	KCC ENGINEERING & CONSTRUCTING COMPANY (KCCEC)
7.	INSPECTION OF BRIDGE ELEMENTS 5 TH RING ROAD, KING FAISAL MOTORWAY, INTERCHANGE 39, BRIDGE NO. 500/050-2NB-KUWAIT	OCTOBER 2012	MOTORWAY & BRIDGES MAINTENANCE DEPARTMENT MAINTENANCE ENGINEERING ADMINISTRATION KUWAIT MINISTRY OF PUBLIC WORKS	KCC ENGINEERING & CONSTRUCTING COMPANY (KCCEC)
8.	INSPECTION OF BEARINGS PATHE MOTORWAY – MALIAKOS-KLEIDI SECTION, STRUCTURES 1R, 22R, 49R, 52AR, 63R, 113R, 115R, 140RB, 141R, 154R (STA. 240+900, 263+600, 294+500, 296+700, 311+900, 352+300, 355+000, 365+600, 366+100, 390+300)- GREECE	SEPTEMBER- DECEMBER 2012	MINISTRY OF PUBLIC WORKS	CONCEPT CONSULTING ENGINEERS LTD
9.	INSPECTION OF VISCOUS DAMPERS MAIN TERMINAL BUILDING OF NEW ATHENS INTERNATIONAL AIRPORT EL. VENIZELOS-GREECE	JANUARY 2011	HOCHTIEF S.A.	HOCHTIEF S.A.
10	INSPECTION OF BEARINGS STRUCTURES AT ELEFSINA-KORINTHOS HIGHWAY STA 33+475, 33+502, 33+606, 76+420 –GREECE	SEPTEMBER- OCTOBER 2010	MINISTRY OF PUBLIC WORKS	APION KLEOS J/V
11	INSPECTION OF BEARINGS STRUCTURES AT PATHE HIGHWAY / SECTION KALOCHORI\KLEIDI, KALOCHORI OVERPASS, GALLIKOS	NOVEMBER 2009-MAY 2010	MINISTRY OF PUBLIC WORKS	G.B. CHATZOPOULOS & ASSOCIATES E.E.

S/N	PROJECT	DATE	OWNER	CONTRACTOR
	RIVER BRIDGE, SINDOS JUNCTION, SINDOS DITCH, SINDOS OVERPASS, CHALASTRA OVERPASS, MALGARA JUNCTION, LOUDIAS RIVER BRIDGE, LOUDIAS RIVER OVERPASS, KLEIDI JUNCTION, AXIOS RIVER BRIDGE-GREECE			
12	INSPECTION OF BEARINGS EVRIPOS STAY CABLE BRIDGE / ACCESS BRIDGES-GREECE	NOVEMBER 2009	MINISTRY OF PUBLIC WORKS	D. KOUGIOUMTZOPO ULOS S.A.
13	INSPECTION OF EXPANSION JOINTS STRUCTURES AT PATHE HIGHWAY / SECTION MALIAKOS- KLEIDI, STA 410+230 TO STA 439+880 EFESOS INTERCHANGE / STA 429+700-GREECE	NOVEMBER 2009	MINISTRY OF PUBLIC WORKS	VINCI CONSTRUCTIONS GRANDS PROJECTS SAS
14	INSPECTION OF BEARINGS & EXPANSION JOINTS STRUCTURES AT ELEFSINA-KORINTHOS HIGHWAY & PATRAS BY PASS STA. 23+960, 27+050, 28+980, 33+606, 35+700, 37+660, 39+130, 39+180, STA. 40+200, 41+500, 42+390, 43+020, 43+040, 43+250, 43+700, 44+390, STA. 45+745, 48+030, 48+300, 48+600, 53+470, 55+670, 56+580, 57+000, STA. 57+750, 58+890, 60+720, 62+700, 63+580, 64+670, 65+200, 66+000, STA. 67+670, 68+360, 70+000, 70+370, 71+870, 73+900, 74+250, 76+000, STA.76+400, 76+580, 76+700, 76+750, 77+230, 78+000, 78+300, 80+340, STA. 81+420, 82+130, 83+180, 83+460, 83+880, 84+480A-B-Γ, 84+670, STA. 84+680, 85+400, 207+920, 208+280, 208+800, 208+850, 209+000, STA. 210+500, 211+630, 211+700, 212+300, 212+500, 213+200, 214+500, STA. 215+180, 215+300, 215+600, 216+700, 217+000, 217+450, 217+675, STA. 218+280, 218+700, 219+650, 220+150, 220+600, 221+850, 222+450, STA. 222+700, 222+780, 222+820, 222+900, 223+350, 223+850, 224+300, STA. 224+600, 225+050, 225+500, 225+900-GREECE	JULY- NOVEMBER 2009	MINISTRY OF PUBLIC WORKS	APION KLEOS J/V
15	INSPECTION OF EXPANSION JOINTS STRUCTURES OUTSIDE PATHE / SECTION KATERINI-KLIDI STA 443+050 S, STA 444+500 S, STA 457+200 S, STA 465+500 S, STA 466+700 S, STA 470+000 S, STA 417+500 N & S- GREECE	JUNE 2009	MINISTRY OF PUBLIC WORKS	J & P – AVAX S.A.

S/N	PROJECT	DATE	OWNER	CONTRACTOR
16	INSPECTION OF EXPANSION JOINTS STRUCTURES OUTSIDE PATHE / SECTION RACHES – EVANGELISMOS OVER PASS STA 272+800, STA 284+800, STA 321+700, STA 344+700, STA 346+300, STA 347+600, STA 352+300, STA 355+000, STA 356+500, STA 358+900, STA 360+300, STA 362+400, STA 366+000-GREECE	MAY 2009	MINISTRY OF PUBLIC WORKS	OLYMPIA ODOS J/V
17	INSPECTION OF EXPANSION JOINTS ELEFSINA JUNCTION, NATIONAL HIGHWAY ATHENS- KORINTHOS-GREECE	MARCH 2009	MINISTRY OF PUBLIC WORKS	OLYMPIA ODOS J/V
18	INSPECTION OF EXPANSION JOINTS STRUCTURES AT PATRAS RING ROAD STA P 207+950, STA P 208+126, STA P 213+150, STA P 214+906, STA P 214+946, STA E 208+126, STA E 212+829, STA E 214+906, STA E 214+946-GREECE	FEBRUARY 2009	MINISTRY OF PUBLIC WORKS	OLYMPIA ODOS J/V
19	INSPECTION OF EXPANSION JOINTS LOUTRAKI JUNCTION, OLD NATIONAL HIGHWAY ATHENS- KORINTHOS-GREECE	JANUARY 2009	MINISTRY OF PUBLIC WORKS	OLYMPIA ODOS J/V
20	INSPECTION OF EXPANSION JOINTS STRUCTURES INSIDE PATHE / SECTION LEPTOKARIA- KATERINI TUNNEL, FROM STA 410+230 TILL 439+880, STA 425+300, STA 430+500-GREECE	NOVEMBER 2008	MINISTRY OF PUBLIC WORKS	VINCI CONSTRUCTIONS GRANDS PROJECTS SAS
21	INSPECTION OF OVERHEAD GANTRIES NEW ATHENS INTERNATIONAL AIRPORT / GANTRIES B3-01, B3-01&02, C3-01&02, C3-08A&08B, D3-02A&02B, D3-15A&15B, D3-101, E3-03&04, E3-05A&05B, E3-06A&06B, E3-11, E3- 12&13, E3-14, F3-11, F3-16, F3-20&21, F3-51A&51B, F3-64, F3- 101, G3-02&03, G3-03-GREECE	NOVEMBER 2008	HOCHTIEF S.A.	D. KOUGIOUMTZOPO ULOS S.A.
22	INSPECTION OF EXPANSION JOINTS & GUARD RAILS STRUCTURES INSIDE PATHE / SECTION RACHES - EVANGELISMOS STA 263+800, STA 280+000, STA 283+000, STA 286+200, STA 292+400, STA 297+000, STA 297+800, STA 312+000, STA 312+100, STA 341+700, STA 349+700, STA 350+950, STA 351+100, STA 354+200, STA 366+000, STA 373+200-GREECE	SEPTEMBER 2008	MINISTRY OF PUBLIC WORKS	OLYMPIA ODOS J/V

S/N	PROJECT	DATE	OWNER	CONTRACTOR
23	INSPECTION OF EXPANSION JOINTS STRUCTURES INSIDE ATTIKI ODOS GE1/ STRUCTURE 48, GE2/ STRUCTURE 5, GE4/ STRUCTURES 4-6-7-8-9-11-12, GE5/ STRUCTURE 10, GE7/ STRUCTURE 11, GE8/ STRUCTURES 2-3-AK8-E 8B-1&2, GE9/ STRUCTURES 2-3-8, GE11/ STRUCTURE A-12-2, GE12/ STRUCTURES 6-11-13, GE14/ STRUCTURES 4-6, GE17/ STRUCTURES 5-15-16-20-21-23, GE18A/ STRUCTURES 18-20, GE18B/ STRUCTURE 10, GE20/ STRUCTURES 15-21, GE22/ STRUCTURE 1-GREECE	JUNE 2008	ATTIKI ODOS S.A.	SEVERAL CONTRACTORS
24	INSPECTION OF EXPANSION JOINTS STRUCTURES OUTSIDE ATTIKI ODOS GE1/STRUCTURES 10-20-24-30-32-60, GE2/ STRUCTURE 6 GE6/ STRUCTURES 13-21-24, STA 20+900, GE7/ STRUCTURE 1GE8/ STRUCTURES 50, AK9, STA 23+700. 24+200, 24+750, 26+000, GE9/ STRUCTURES 3-4-5, GE10/ STRUCTURE KIFISIAS RING ROAD, GE12/ STRUCTURE 2, GE13/ STRUCTURES 7-8, GE14/ STRUCTURE 5, GE15/ STRUCTURES 1&17, GE16/ STRUCTURES 1-4-5, GE17/ STRUCTURES 1&22-8-9-GREECE	MAY 2008	ATTIKI ODOS S.A.	SEVERAL CONTRACTORS
25	INSPECTION OF BEARINGS, EXPANSION JOINTS, CONCRETE, GUARDRAILS, SEWAGE, DRAINAGE SYSTEMS ETC NEW INTERNATIONAL AIRPORT OF ATHENS / STRUCTURES 100W-100E-O99-102-116 (AIRCRAFT BRIDGE) -116A (AIRCRAFT BRIDGE) - 104W/E - STEEL PEDESTRIAN SUBURBAN RAIL BRIDGE – GREECE	FEBRUARY – APRIL 2008	HOCHTIEF S.A.	ATHINA S.A./ J&P HELLAS S.A.
26	INSPECTION OF BEARINGS & EXPANSION JOINTS STRUCTURE 30/EXIT 2/MAGOULA -GREECE	MARCH 2008	ATTIKI ODOS S.A.	ELLINIKI TECHNODOMIKI S.A./J&P AVAX S.A. J/V
27	INSPECTION OF BEARINGS G.E. 16-17/STRUCTURES 4-16-17-18-19A-19B-20-GREECE	MARCH 2008	ATTIKI ODOS S.A.	ELLINIKI TECHNODOMIKI S.A./J&P AVAX S.A. J/V
28	INSPECTION OF BEARINGS G.E. 17/STRUCTURES 15-16, ROAD BRIDGE & KIMIS	NOVEMBER 2007	ATTIKI ODOS S.A.	AKTOR A.T.E.

S/N	PROJECT	DATE	OWNER	CONTRACTOR
	PEDESTRIAN BRIDGE-GREECE			
29	INSPECTION OF BEARINGS G.E. 17/STRUCTURES 15-16 - GREECE	OCTOBER 2007	ATTIKI ODOS S.A.	ELLINIKI TECHNODOMIKI S.A./J&P AVAX S.A. J/V
30	INSPECTION OF BEARINGS & ANTI-SEISMIC VISCOUS DAMPERS NEW RAILWAY BRIDGE OF CORINTH CANAL-GREECE	JULY 2007	GREEK RAILWAY ORGANISATION	MICHANIKI S.A.
31	INSPECTION OF BEARINGS & ANTI-SEISMIC DAMPERS NEW ROAD BRIDGE OF CORINTH CANAL-GREECE	JULY 2007	MINISTRY OF PUBLIC WORKS	PANTECHNIKI S.A.
32	INSPECTION OF BEARINGS DOUKISSIS PLAKENTIAS JUNCTION/STRUCTURE T-3- GREECE	JUNE 2007	ATTIKI ODOS S.A.	ALTE S.A.
33	INSPECTION OF BEARINGS PLAPOUTA BRIDGE-GREECE	JUNE 2007	ATTIKI ODOS S.A.	AKTOR A.T.E
34	INSPECTION OF BEARINGS G.E. 16/STRUCTURES 16-19-20-21-23-GREECE	JUNE 2007	ATTIKI ODOS S.A.	ELLINIKI TECHNODOMIKI S.A./J&P AVAX S.A. J/V
35	INSPECTION OF EXPANSION JOINTS STRUCTURE T4/K2 JUNCTION -GREECE	MAY 2007	EGNATIA ODOS S.A.	K.I SARANTOPOULOS S.A./ALTE S.A./GETEM S.A./ELTER S.A J/V
36	INSPECTION OF BEARINGS ANO LIOSIA JUNCTION/EXIT 4-GREECE	MAY 2007	ATTIKI ODOS S.A.	AKTOR A.T.E.
37	INSPECTION OF EXPANSION JOINTS PATHE/EVRIPOS CABLE STAYED BRIDGE-GREECE	MARCH 2007	MINISTRY OF PUBLIC WORKS	TEB S.A.
38	INSPECTION OF BEARINGS KIPOURIO BRIDGE-GREECE	MARCH 2007	EGNATIA ODOS S.A.	PANTECHNIKI S.A.
39	INSPECTION OF BEARINGS & EXPANSION JOINTS PATHE/NEW NATIONAL HIGHWAY-AXIOS ROAD BRIDGE- GREECE	FEBRUARY 2007	MINISTRY OF PUBLIC WORKS	N/A

S/N	PROJECT	DATE	OWNER	CONTRACTOR
40	INSPECTION OF EXPANSION JOINTS OVERPASS AT HERAKLIOU AVE-GREECE	SEPTEMBER 2006	ATTIKI ODOS S.A.	N/A
41	INSPECTION OF EXPANSION JOINTS METAMORFOSI JUNCTION/BRANCH 8-GREECE	AUGUST 2006	EGNATIA ODOS S.A.	PANTECHNIKI S.A.
42	INSPECTION OF BEARINGS STRUCTURES G9-G10-G11-G12-GREECE	OCTOBER 2005	EGNATIA ODOS S.A.	J&P AVAX/AEGEK S.A./PANTECHNIKI S.A.

14. Related skills:**SOFTWARE:**

Very good command of Sofistik analysis and design structural program: (analysis of reinforced and prestressed concrete bridges – tunnels –cut&cover-retaining walls e.t.c.)

Very good command of SOFIPLUS program. We use this program to create space model which are difficult or strange in nature.

Very good command of Sofistik analysis and design structural program: (analysis of steel structures) with the use of FIDES modules.

Very good command of Midas Civil analysis and design structural program: (analysis of reinforced and prestressed concrete bridges – tunnels –retaining walls e.t.c.)

Good command of Staad-Pro analysis and design structural program: (analysis of reinforced concrete bridges – buildings-retaining walls e.t.c.)

Good command of Cubus (Statik-Fagus) analysis and design structural program: (analysis of reinforcement and prestress concrete bridges – tunnels –retaining walls e.t.c.)

Very good command of Next and Space analysis and design structural program: (analysis of concrete - steel building structures)

Very good command of AUTOCAD design program and especially good command in some modules of AutoCAD which help to prepare and create the reinforcement drawings and the quantity list automatically.

Use of computer in Windows environment, Microsoft: Word, Excel and Power Point, Use of Internet and local network.

Alexandros Tranoulis has the complete package of **SOFISTIK** version 2012 and **SOFIPLUS** 2012 version 18.2 in his possession for the design and analysis of any Highway projects and complex structure.

Alexandros Tranoulis has the complete package of **MIDAS CIVIL ADVANCE** version 2016 in his possession for the design and analysis of any Highway projects.

15. Other relevant information: (e.g., Publications)

My thesis on my Masters' degree: <<**Comparative study and Analysis of the behavior of a building designed with walls and columns based on old and new**

Greek Anti seismic Codes.>> N.T.U.A 1997.

16. Contact details

Work Address (office) Greece: Platonos 7 Str. Chalandri Athens
15234 Greece

Work email: atranoulis@atconsultants.gr

Website: www.atconsultants.gr

phone: office (0030) 210 6898030 Greece
mobile work (0030) 6974107908 Greece
