CURRICULUM VITAE

First Name	:	MAZEN
Family Name	:	ŞEYHISMAILZADA
Date of birth	:	19/06/1959
Place of birth		Aleppo - Syria
Nationality	:	Syrian and Turkish
Languages	:	Arabic (Mother language) - English and Turkish (fluent)
Marital Status	:	Married
Children	:	Two
Contact details	:	Mob: ++ 905312556356 , ++905335148961 Ankara/Turkey e-mail addresses: zadageo@gmail.com & mazen@artgeo.com.tr
Education	:	1 PhD degree in geotechnical engineering 1991, Middle East Technical University (METU), Ankara, Turkey 2 Master degree in geotechnical engineering "MSc" 1986, (METU), Ankara, Turkey 3 Bachelor degree in Civil Engineering "BSc" 1984, (METU), Ankara, Turkey
Scientific Publications	:	1 "Behavior of high capacity anchors with short bond lengths in weak rock – Case study". The 15th national symposium for soil mechanics and foundation engineering – Adana, Turkey, 2015, (With Dr. Asli O. Cevik, Erdem Ispir, Melis Yildiz) 2 "Two and three dimensional geotechnical modeling using GTS". The First International Symposium of Engineering Sciences. Aleppo university, 2008, (With Dr. Alaa Kourdey. 3 "Slope stability analysis and design at km 173 + 7 on the Aleppo – Latakia railways rout" Aleppo university, 2005, (With Dr. Nawwar Kaedan). 4 "Wick Drains" Thesis for Ph.D. degree. METU, Ankara, Turkey, 1991 5 "Collapsible Soils" Thesis for Master degree. METU, Ankara, Turkey, 1986
Academic activities	:	Co-advisor of a post graduate candidate for Master degree in geotechnical engineering at Aleppo University, 2011
Modeling techniques	:	2-D and 3-D FEM based soft wares "GTS, PHASE^2, Slide, Plaxis etc." are used for modeling, evaluation data design of various types of foundations, deep excavations and shoring systems, pumping tests etc.
Laboratory tests	:	Water content, bulk density, specific gravity, sieve analysis, hydrometer, Atterburg limits, unconfined compression test, tri-axial test, point load test, brazil test, direct shear test, consolidation, swelling test, proctor tests, chemical analysis, sand equivalent test, CBR etc.
Field tests	:	Pile load tests (vertical compression, vertical tension and lateral), plate load tests, pile integrity tests. anchor pull tests, rock bolt tests, pumping tests, pressure meter tests, cone penetration tests, vane tests etc.
Field monitoring	:	Load cells, crack movement, inclinometers, extensometers, settlement etc.
Professional Experience	:	**January 2014 – Till now** Founder and General Manager of "**Art Geodesign Consultancy & Engineering TRD. INC**." Ankara/Turkey **January 2016 – Till now** Founder and technical manager of "**ArtGeo Technique Instrumentation TRD. INC**." Ankara/Turkey **August 2012 – December 2018** Manager of design office and coordinator of Middle East projects at "**Sonar Drilling and Geological Research Center**". Ankara/Turkey **January 1992 - July 2012** Founder and General Manager of "**ALEPPO GEOTECHNICAL CENTER - AGC**". Aleppo/ Syria

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Recent International Mega Projects

1. Preliminary geotechnical design for "Feasibility study and preliminary designs for the rehabilitation of the North Windward Coast Road project", December 2019. Ministry of Transport, Works, Urban Development and Local Government, St. Vincent and the Grenadines. Sponsored by Kuwait Fund for Arab Economic Developement (KFAED). "NARCO" Consultants in association with "DIWI" consult UK Ltd.
2. Final Geotechnical design for "National Agricultural and Feeder Roads Projects – NAFRP – 14 roads", July 2019. Ministry of Transport, Works, Urban Development and Local Government, St. Vincent and the Grenadines. Sponsored by Kuwait Fund for Arab Economic Developement (KFAED). "NARCO" Consultants in association with "DIWI" consult UK Ltd.

Sample projects

Slope stability

1. MAAD INTERNATIONAL COMPANY. Numerical analysis and design of rock cut slopes (anchors, rock bolts & shotcrete) for deep excavation (H_{max}=90m) by "PHASE^2"software at Misfile, Makkah, KSA.
2. SAUDI BINLADIN GROUP - ABCD. "EXPANSION OF HOLY MOSQUE AND ASSOCIATED ELEMENTS – SECURITY BUILDING", Rock cut slope protection activities (anchors, rock bolts and shotcrete), Makkah, KSA.
3. SAUDI BINLADIN GROUP - ABCD. "EXPANSION OF HOLY MOSQUE AND ASSOCIATED ELEMENTS – HOSPITAL", Rock cut slope protection activities (anchors, rock bolts and shotcrete), Makkah/KSA.
4. SALINE WATER CONVENTION CORPORATION (SWCC). "STRATEGIC DRINKING WATER RESERVOIR FOR URBAN ABHA PHASE – 1". Numerical analysis and design "PHASE^2 " of rock cut slopes (rock bolts & shotcrete) to support rock cut slopes, ABHA, KSA
5. MAKKAH REAL ESTAE COMPANY – MANARAT MAKKAH PROJECT. Numerical analysis and design of rock cut slopes (anchors, rock bolts & shotcrete) for ruck cut faces by "PHASE^2"software, Al-Khalidiye, Makkah, KSA.
6. STC/NOKIA – Design of permanent shoring system for 45 m height "ZMK718" telecommunication tower, Makkah, KSA.
7. STC/NOKIA – Design of permanent shoring system for 37 m height "ZTF005" telecommunication tower, Taif, KSA.

Deep excavations, pile design and monitoring

1. MAAD INTERNATIONAL COMPANY. Numerical analysis and design of deep excavation by "PHASE^2 & PLAXIS". Temporary shoring system (Berlin wall) for deep excavation (H_{max} = 15 m) and periodical monitoring of wall movement at Misfile, Makkah, KSA.
2. BAYAT PLAZA PROJECT. Numerical analysis and design of pile foundations and temporary shoring system (Secant piles & anchors) of deep excavation (H_{max} = 13 m) by "PHASE^2 & PLAXIS". Jeddah/KSA.
3. ALMOOSA SPECIALIST HOSPITAL TOWER. Numerical analysis and design of pile foundations and temporary shoring system (Secant piles & anchors) of deep excavation (H= 20 m) by "PHASE^2 & PLAXIS". Alihsa, KSA.
4. RADISSON HOTEL – JEDDAH. Numerical analysis and design of pile foundations and shoring system (adjacent piles and anchors) of deep excavation (H= 18 m) by "PLAXIS". Jeddah, KSA.
5. NATIONAL GUARD HEALTH AFFAIRS SPECIALIZED HOSPITAL – RIYADH. Numerical analysis and design of deep excavation (H_{max}= 11 m) by "PLAXIS". Temporary shoring system (Tangent piles & anchors) of deep excavation. Riyadh, KSA.

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	6 RIYADH METRO PROJECT – NESMA PARTNERS & NESMA TRAIDING. Evaluation and control of temporary & permanent shoring systems related to P533, 3E1, 3E2, 3E3, 3E4, 3E5, 3E6, 3F1, 3F2, 3J2 & 3K1 underground stations (piles, micro piles, shotcrete & anchors) of deep excavations. Riyadh, KSA.
	Anchor pull tests
	1 AEGEAN REFINARY PROJECT (ARP) - SOCAR REFINARY. Pre-design "trial" ground anchor proving load tests at Aegean Refinery Project Aliağa, İzmir. **2** OZDILEK BURSA/IZMIR YOLU AVM PROJESI. Design, construction and evaluation of anchor acceptance and suitability pull tests and periodical monitoring of wall movement, Bursa. **3** MAAD INTERNATIONAL COMPANY. Construction and evaluation of anchors (acceptance and suitability) pull tests and periodical monitoring of wall movement, Misfile, Makkah, KSA. **4** ISTANBUL DR. LUTFI KIRDAR KARTAL RESEARCH AND TRAINING HOSPITAL. Design, construction and evaluation of anchors & rock bolts acceptance and suitability pull tests and periodical monitoring of wall movement, Kartal, Istanbul. **5** ZONGULDAK EREGLI DEVLET YOLU 2A0 ARASI HEYELANI PROJESI. Construction and evaluation of anchors (acceptance and suitability) pull tests and periodical monitoring of wall movement, Zonguldak.
	Plate load tests
	1 CANTA SEWERAGE BIOLOGIK TREATMENT PROJECT. Design, construction and evaluation of plate load (15 ton) tests on Ø=80 cm stone columns, Canta / Corlu **2** BOLU CEMENT FACTORY PROJECT. Design, construction and evaluation of plate load (15 ton) tests on foundation layer, Sarayköy, Ankara. **3** KARGI DAM BODY – KARGI HES PROJECT. Design, construction and evaluation of plate load (30 ton) tests on stone columns "piles" Ø=80cm, Kargı dam body, Kargı HES Project, Osmancık, Corum. **4** INDOOR SWIMMING POOL COMPLEX PROJECT. Design, construction and evaluation of plate load tests on stone columns "piles". (Ø=100cm). Kirsehir, Central district, Kusdil, Parcel No: 178 / 43 – 44. **5** ISTANBUL – ANKARA HIGH SPEED TRAIN PROJECT – INTERSECTION WITH CONVENTIONAL RAILWAY LINE. Design, construction and evaluation of plate load tests on stone columns "piles" (Ø=100 cm & 80 cm), Sapanca, Kose koy, Sakarya. **6** MASPO ALASEHIR JEOTERMAL PROJESI. Design, construction and evaluation of plate load tests on stone columns "piles". (Ø=60cm). Alasehir, Izmir,
	Pile load tests (Compression)
	1 IZKA INSAAT IZMIR PROJESI. Design, construction and evaluation of (3,000 ton) barrette pile (L=2.80m, W= 0.80m, H= 72 m) vertical load test, Izmir. **2** JAPOMA SPORT COMPLEX PROJECT. Design and evaluation of pile vertical load tests (310 ton) on cast in place reinforced concrete piles (Ø=80cm) and pile integrity tests, Douala, Cameroon. **3** TURKEY KAZAN SODA COGENERATION POWER PLANT. Design and evaluation of pile vertical load tests (400 ton) on cast in place reinforced concrete piles (Ø =80cm) and pile integrity tests, Kazan, Ankara. **4** KUZU GRUP ANKARA YILDIZEVLER KUMRU KARMA KULLANIM PROJESİ. Design and evaluation of pile vertical load tests (1,125 ton) on cast in place reinforced concrete piles (Ø =100cm) and pile integrity tests, Yıldızevler, Ankara.

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	5 KUZU ANKARA ORAN KARMA KULLANIM PROJESİ. Design and evaluation of pile vertical load tests (1,800 ton) on cast in place reinforced concrete piles (Ø =120cm) and pile integrity tests, Oran, Ankara. **6** BALKUPU AKSARAY FACTORY - SUGAR SILO PROJECT. Design and evaluation of pile vertical load tests (900 ton) on cast in place reinforced concrete piles (Ø =100cm) and pile integrity tests, Kaysarı. **7** GUBRETAS YARIMCA COMPLEX - AMMONIA TANK & NPK BUILDING. Design and evaluation of pile vertical load tests (145 ton) on Jet grout piles (Ø=80cm), Yarimca, Izmit. **8** SILIVRI SEWERAGE BIOLOGIK TREATMENT PROJECT. Design, construction and evaluation of pile vertical load tests (90 ton) on Jet grout piles (Ø=80cm), Canta, Corlu **9** ISTANBUL NUROLPARK PROJECT. Design and evaluation of pile vertical load tests (335 ton) on cast in place reinforced concrete piles (Ø =80cm) and pile integrity tests, Gunesli, Istanbul. **10** GEBZE ORHANGAZI IZMIR OTOYOL BORNUVA VIADUCT PROJECT. Design and evaluation of pile vertical load test (357 ton) on cast in place reinforced concrete piles (Ø =120cm) and pile integrity tests, Bornuva, Izmir. **11** KAYSERI SUGAR FACTORY BOGAZLIYAN INTEGRATED FACILITY VERTICAL SUGAR SILO. Design and evaluation of pile vertical load tests (720 ton) on cast in place reinforced concrete piles (Ø = 80cm) and pile integrity tests, Bogazliyan, Kaysari. **12** EREN ENERJI ELEKTRIK URETİM A.S. - ZETES 3. TERMIK SANTRAL PROJESI. Design and evaluation of pile vertical load tests (450 ton) on cast in place reinforced concrete piles (Ø = 80cm), Catalagzi, Zonguldak.
	Pile load tests (Tension)
	1 CANTA ATIKSU ILERI BIYOLOJIK ARITMA TESISI PROJESI. Design and evaluation of pile tension load test (60 ton) on cast in place reinforced concrete pile (Ø =80cm) and pile integrity tests, Oran, Ankara.
	Pile load tests (Lateral)
	1 TURKEY KAZAN SODA COGENERATION POWER PLANT. Design and evaluation of pile lateral load tests (24 ton) on cast in place reinforced concrete piles (Ø =80cm) and pile integrity tests, Kazan, Ankara.
	Seepage control and pumping tests
	1 KESTELEK OPEN BORAX MINE. Design and installation of measuring stations of water seepage and evaluation of the results from Orhanli Cayı towards the borax open mine zone, Kestelek, Mustafa Kemal Pasa, Bursa.
Projects in Syria	
	Archeological monuments
	1 The northern advance tower in Aleppo citadel. **2** The moat of Aleppo Citadel. **3** Alsatura: Aleppo citadel. **4** Ayyubid cistern: Aleppo citadel. **5** Hitit temple: Aleppo citadel. **6** Eindara Temple: Afreen/Aleppo. **7** Jinblat palace: Albandara/Aleppo. **8** St. Simon citadel/Aleppo. **9** Misyaf citadel/Hama. **10** The peripheral of Aleppo citadel “Zones 1,2 &3” . **11** Rehabilitation and supporting of the damaged part of “KHAN-LGUMRUK”.

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	12 Rehabilitation and supporting of "KHAN-MUYASSAR". **13** Rehabilitation and supporting Aleppo Old Fence at Babantakya. **14** Rehabilitation and restoration of Altekiye Alsulaymaniye: Damascus. **15** Rehabilitation and restoration of Almadrasa Alahmadiye: Aleppo. **16** Rehabilitation and restoration of the cemetery of the British soldiers during the II world war: Aleppo **17** Site investigations within the Euphrates basin for Japanese archeological mission.
	Car galleries
	1 Toyota gallery and repair center: Abosheilem/Aleppo. **2** Skoda gallery and repair center: Keferhamra/Aleppo. **3** Jaguar gallery and repair center: Abosheilem /Aleppo. **4** Skoda gallery and repair center: Albassa/Latakia.
	Checking different designs
	1 Homs-Misyaf highway and Alhole intersection. **2** Arab weran-Bulbul highway/Aleppo. **3** Misyaf - Wadialoyoun highway. **4** Different locations of problem soils along the railways rout (total length≈ 25km). **5** Over passes along the railway along Aleppo-Alkamishly rout. **6** Bridges along the railway along Damascus-Daraa rout. **7** Pedestrian passes within Talkalakh station. **8** Alasad library – Aleppo.
	Communication towers
	1 In Aleppo: (Alseryan, Alzahrae, Alansary, jebreen, Kalet najm, Fafin …). **2** In Idlib: (Kefer Roma, Maer Shasha, Ihsim, Mantaf, Alsheykh Ayyoub …). **3** In Alrakka: (Zaydi, Kantari, Shnine, Alansar, Nofaliyye …). **4** In Alhasaka: (Tamriyye, Deryasin, toumen, hisso, Einalsafra…). **5** In Hama: (Maershmour, Halfa…). **6** In Homs: (Jandar, Mazraet Alseeniyye, Sadro…). **7** In Deiralzour: (Kashkash, Irak, Mehbash, Roueshed…).
	Dams and irrigation projects
	1 Irrigation of the southern plateau of Aleppo "25,000 ha" with Russian company: **2** "Soventerfod". **3** Shighedleh Dam. Soventerfod (USSR). **4** Ebteen Dam. Soventerfod (USSR). **5** Rajo dam: investigations for cavities and karst.
	Dispensar
	1 Babalmakam, Bustanalbasha, Alashrafiyye, Almydan, Alsfeere … /Aleppo. **2** Keferderyan, Alnajiyye, Abudali, Alfoua …/Idlib.
	Highway intersections and bridges
	1 Alshkayyef: Northern peripheral road of Aleppo. **2** Abosheylem: Aleppo - Damascus highway. **3** Babalhawa: Sarmada/Idlib. **4** Alzahra intersection: Aleppo - Azaz highway. **5** Nubbul intersection: Aleppo - Azaz highway. **6** Altamura intersection: Aleppo - Azaz highway.

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	7 Deirjmeil intersection: Aleppo - Azaz highway. **8** Azaz intersection: Aleppo - Azaz highway. **9** Serrin: Aleppo - Alhasake. **10** Alghandura: State of Aleppo. **11** Alshareede: Alrakka – Deirelzor. **12** Alswediyye: Alrakka – Deirelzor. **13** Dalha 1: Alrakka – Deirelzor. **14** Dalha 2: Alrakka – Deirelzor. **15** Alekershi: Alrakka – Deirelzor. **16** Wadyalkharar: Alrakka – Deirelzor.
	Hospitals
	1 Alshahba hospital: Halebaljadide / Aleppo. **2** Asi hospital: Halebaljadide / Aleppo. **3** Syrian-Greece hospital: Alashrafiyye / Aleppo. **4** Jamiyyetalnour: Almartiny / Aleppo. **5** Sanam Mheydali: Babalneirab / Aleppo. **6** Alwatani: Jeseralshoghour / Idleb. **7** Alwatani: Almaara / Idleb.
	Housing and land development
	1 Tilalkurtoba, infrastructures, health center and villas (Keferjum / Aleppo). **2** Jud: (Nubbul / Aleppo). **3** Alshaheed: (Anadan / Aleppo). **4** Alnusoor: (Maaretalarteek / Aleppo). **5** Afreen: (Afreen / Aleppo). **6** Aljamaa: (Aleppo). **7** Alrawda: (New Aleppo). **8** Alzahrae: (New Aleppo). **9** Alalaminum: (Minyan / Aleppo). **10** Alzyot: (New Aleppo). **11** Alsoriyye - Alalmaniyye: (Khanalasal / Aleppo).
	Industrial structures
	1 LPG cylinders filling unit in Tiara / Aleppo. **2** Olive oil factories in Aleppo and Idlib. **3** Soap Factories in Aleppo. **4** Obari medicine factory: Alzerbe / Aleppo. **5** Yarn and textile factories. **6** Chemicals: Syrian-Suudi caustic factory / Aleppo. **7** Persil (detergent) Factory: Nekkerin / Aleppo. **8** Syraimica and Syriaprint: Albarkoum / Aleppo. **9** Glass factory: Sheikh Najjar/Aleppo. **10** "SCC" Syrian Cement Company 7500 TPD (Lafarge / Orascom): Chalabiye / Aleppo. **11** "GURIS Al Raqqah Cement Plant" 4000TPD: Sabejfar / Al Raqqa.
	Inspection
	1 Aleppo citadel peripheral project (zone 3). **2** Aleppo citadel peripheral project (zone 1: 11,000 ml jet grout piles Φ= 1m).

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	3 Aleppo citadel peripheral project (zone 2: 8,000 ml jet grout piles Φ=1m). **4** Pile loading tests at Aleppo citadel peripheral projects zone 1 & 2. **5** Soil and material laboratory of the Order of Engineers / Idlib.
Mosques	
	Several mosques in Aleppo, Idlib and Alrakka …
Pile loading tests	
	1 Tensile piles at Aleppo Citadel cladding. **2** Micro piles of Audi Bank. Mhatet Baghdad / Aleppo. **3** Micro piles of Dar Salahiyye. Elmustadamiye / Aleppo. **4** Micro piles of Shihan hospital / Aleppo. **5** Micro piles of Alwatani hospital / Idlib. **6** Jet grout piles, Φ= 1m at zone 1 of Aleppo citadel peripheral project. **7** Jet grout piles, Φ= 1m at zone 2 of Aleppo citadel peripheral project. **8** Jet grout piles, Φ= 80 cm (underpinning of railways at Alraqqa). **9** Jet grout piles, Φ= 60 cm (underpinning of railways at Latakkia).
Public gardens	
	1 Qinnesrine park: Altallealsouda/Aleppo. **2** Hadiket Altefel: Almydan/Aleppo.
Quality control	
	1 Quality control of the concrete works of the "Suleiman Shah" monument Aleppo / Karakozak. **2** Quality control of the concrete works "sliding formwork" and interior road construction at Serakeb grain silos/Idlib. **3** Quality control of the concrete works "sliding formwork" and interior road construction at Serin grain silos/Aleppo. **4** Quality control of the concrete works and road construction at the Syrian cement company "SCC" Aleppo (ORASCOM/LAFARGE). **5** Quality control of the infra structures of SAMA ALSHAHBA housing project - Aleppo
Schools	
	1 Public schools in Aleppo (Hanano, Aljindy, Jebeleis). **2** French school: Keferjom/Aleppo. **3** Almuruj private school: Hayyan/Aleppo. **4** National school of Aleppo: Anadan/Aleppo.
Silos and wheat mills	
	Khantoman, Deihafer, Salhab, Almansoura, Khisalej, Beeralhashm, Serakeb, Syres, Khallouf.
Slope stability analysis and design	
	1 Slope stability design at km 173 (Aleppo – Latakia rout). **2** Slope stability design and rehabilitation at km 180, 181, 182 (Aleppo /Latakia rout). **3** Slope stability design at Sfire factories. **4** Slope stability design of the outer slope Aleppo citadel. **5** Slope stability design of the platforms of the "Syrian cement factory: SCC" in Aleppo / Lafarge.
Specification for geotechnical studies	
	1 To the Syrian railways general establishment.

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		2 To the directorate of culture/Aleppo. **3** To the order of engineers/Aleppo.
		Touristic projects
		1 Blue lagoon. Aleppo. **2** Palm resort. Aleppo. **3** Alasad lake resort. Aleppo.
		Universities
		1 Aljazeera university/Deiralzor. **2** Faculty of arts: Aleppo University. **3** Faculty of Alsharia: Aleppo University. **4** Faculty of agriculture: Idlib University. **5** Faculty of law: Idlib University.
Complementary qualifications	:	Special softwares in Geotechnical Modeling: PHASE^2 - v.6, SLIDE - v.5, PLAXIS - v.8, GTS, Geo-Slope, Solid Works 2007, Geo-5, Aquifer Test, Deep EX 2017. General softwares: Microsoft Office 2016, AutoCad 2016
Hobbies	:	Reading - Chess - Internet
Sports	:	Swimming - Table tennis - Football

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