



CURRICULUM VITAE
M. CENK GERDANLI

NAME: Murat Cenk Gerdanlı
Born: Istanbul (Turkey) 18.03.1970
Nationality: Turkish

Languages: Turkish (mother tongue), English (good, written and spoken)

Schooling: High school diploma

Computer skills: Windows, macOS Mojave, MS office applications, web developing applications

- Specialization Courses:
- Courses and conferences on marine outfall and pipelines
 - GRP pipe technology seminars
 - Field training on various subjects related to land and marine installation of plastic pipelines
 - IAHR Short Course: Design and Construction of Sea Outfalls, August 21-22, 2003, Thessaloniki, Greece
 - Short Course on "Materials and techniques for outfall construction" at MWWO 2002
 - AMEX internal seals installation and supervision course
 - Nova Siria external steel couplings installation and supervision course

KEY QUALIFICATIONS

Cenk Gerdanlı has gained in the recent years a significant experience on land and marine pipelines working as assistant to Dr. Carlo Avanzini in all the projects followed by him in Turkey and abroad.

After the military service, he spent some years working in different commercial and marketing fields.

In early 1999, he joined Mr. Avanzini in his activity of marine engineering and consulting as full-time assistant.

Since then, he has cooperated both technically and commercially on most of the projects in the area of Mediterranean Sea, Caspian Sea and Red Sea.

In this period, he has gained a relevant experience in all the aspects of pipe supply and installation with particular emphasis on large diameter both GRP pipelines and HDPE pipelines.

He has also cooperated, since 2001, to the organization and technical execution of the MWWO International Conference on Marine Waste Water Discharges.

He has also followed the development of the use of products destined to marine projects, such as internal repair seals, special couplings and expansion joints and products for coastal

protection (gabions, bituminous mattresses, tubes) and he is giving the engineering support to the representatives.

In 2012, he has established MCG Mühendislik Danışmanlık Sanayi ve Dış Ticaret Limited Şirketi under the Turkish Law.

ADDRESS

Bağdat Caddesi, Güzel Sokak, Erat Apt., No: 4, Daire: 22, Kat: 11

34730 Göztepe – Kadıköy – İstanbul – Türkiye

Mobile: +90.546.4143434

E-mail: cenk@mcgmuhendislik.com.tr - cenk@gerdanli.com

Web: www.mcgmuhendislik.com.tr

Certification

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe myself, my qualifications and my experience.



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MAIN REFERENCES

The references itemized hereafter are related to the period of activity in the field of civil pipelines and marine engineering and consultancy.

Only the major ones are detailed hereafter; however, references can be extended to all the projects followed with Mr. Avanzini since the start of the cooperation.

- Kadıköy WWTP discharge, Istanbul (TR) for Lidya (owner İSKİ): new Kadıköy outfall - steel, 2235x31,8mm, with 205mm ballast coating: design of the profile and of the launching ramp and installation procedures; assistance in the erection of the ramp and supervision for preparation of the launching facilities; assistance during the launching
- Süğözü (İskenderun, TR) for Gama-Tekfen JV (TR): Revision of the base design prepared by Siemens of the intake and discharge sealines for the Thermal Power Plant cooling system; evaluation, design and specifications for GRP (FW continuous mandrel type) 4 x DN2800, 415 m long + 4 x DN2400, 1280 m long; assistance in the qualification of the supplier and control and testing of the pipes; study of the pipeline and coastal scour protection; design of the intake structures and of the flexible connection to the pipelines; various intervention in assistance to the main contractor's team in the pipeline installation phase
- Güzelbahçe (TR) for Sistem Yapı: revision of the tender design and construction design of the HDPE, 630mm, 600m long outfall
- Foça (TR) for TCT: assistance in the control of the design of the WWTP and outfall for the part related to the outfall design and installation procedures
- [no location] for Maccaferri (I) - cooperation in the design and installation procedures for marine pipeline stabilization and protection elements (gabions, bag gabions and Sarmac bituminous mattresses); study of underwater barriers for scour protection; study of special applications on land pipelines
- [no location] for SUBOR (TR) – general specifications for marine installation of GRP FW pipes
- Saida (Lebanon) for STFA (TR) – design for construction of a GRP outfall, 900mm diameter, 2200m long in Saida, Lebanon
- Zonguldak (TR) for Entes (TR) – tender design of the Zonguldak outfall (HDPE, OD 800m, 650m long in 50m depth)
- Constanta (Romania) for STFA (TR) – tender design for the Constanta North and Eforie marine outfalls – HDPE, 1500mm, 2700m long + HDPE, 700mm, 1250m long, with study of the GRP alternative
- Antalya (TR) for DLH (TR): study of the replacement of the damaged coastal protection with a new shore protection structure realized with marine gabions and mattresses
- Çanakkale (TR): assistance to one of the tenderers in the preliminary tender preparation for the Marmara Sea underwater crossing with a 36", 17 km long gas pipeline, max. depth ~ 80m, lay barge installation
- Biga (TR) for İçdas (TR): revision and implementation of the design of the new intake structure and of the GRP ND 2200 pipeline for the cooling water system of a steel pipe factory (contractor Detek)

- [no location] for Tekfen (TR): pre-feasibility study and basic evaluation of the potential marine terminals (Samsun, Black Sea and Ceyhan, Mediterranean Sea) at service of the planned SSC pipeline system
- Mersin (TR) for Alkyon (NL) on behalf of Detek (TR): coordination of the bathymetric and environmental survey for the Mersin Outfall
- Princess Islands (Istanbul, TR) for Detek (TR): construction design and assistance/supervision for the IGDAS Adalar underwater gas pipeline project consisting in 3850m, 8" steel pipe - from mainland to Büyükada and 3 sections for 4850m, 6" steel pipe for the secondary island crossings, all installed with bottom pull.
- Mersin (TR) for Sistem Yapı (TR): Tender design of the Mersin outfall (GRP, ND 1800, 2000 m long)
- Çeşme (TR) for Alçesu (TR/FR): survey, video inspection and evaluation of the status and of the remedial interventions on the Alaçati Outfall, GRP, ND 900
- Yarımca (TR) for Boz Group (TR): assistance in the evaluation of the tender documents and of the marine contractual conditions for the harbor construction tender
- Gemlik (TR) for Sina (TR): Revision of the design "for construction" for the Gemlik outfall (HDPE, OD 630mm, 1,7km long to -42m depth)
- Mersin (TR) for Sistem Yapı (TR): Design for approval from the Ministry of Environment, design for construction and supervision of Mersin outfall, GRP ND 1800, L=2100 m including 100m land section and 200m long tapered shallow water diffuser ND 1500/1100/800.
- Libya for Metear (Turkey): Verification of the installation procedures for two intake projects for desalination plants in Libya (2 HDPE OD1400 L=950m and 2 HDPE OD1400 L=450m)
- Kumköy (Cyprus GR) for Arbiogas/BEFESA (TR/ES): tender design of marine facilities for the desalination plant (GRP intake ND1000 length 3300m + discharge ND 800 length 3700m + intake structures offshore)
- Bandırma (TR) for A-TEC (Austria): Analysis of the contractor's design of a twin GRP ND 2200 intake pipeline and related offshore intake structures, and of the ND 2400 GRP discharge line and diffuser for the cooling water circuit of a CCPP in Turkey
- Aliğa (TR) for İzdemir (TR): preliminary evaluations on the installation of a GRP ND 3000 intake line
- Samsun (TR) for Sistem Yapı (TR): tender design of the outfall HDPE Ø 1600 L 2500m
- Biga (TR) for İçdas (TR) Design and preparation of Ministry permission documents + construction design for the discharge line for the new 2x600 MW Power plant, GRP ND 3500mm, 450m long, third party inspection services for land pipe, installed by GRP couplings and/or joined by hand lamination
- Al Khalij (Libya) for GAMA (TR): - Independent Third-Party GRP Pipe Inspector/Consultant for the cooling water GRP onshore pipeline system, inspection of all hand laminated pipes and preparation of witnessing reports
- Wilhelmshaven (D) for Superlit (TR): support engineering for the supply and installation of GRP ND 3400 pipes for the intake and discharge lines of the cooling water system
- Hatay (TR) for Tekfen (TR): tender design for the offshore cooling water sealines (GRP 2 x 3000mm x 3450m + 2 x 2600mm x 2500m) and evaluation of alternatives

- El Ain El Sokhna (Egypt) for Besix-Orascom: Supervision of the production and delivery of GRP pipes 3 x ND 3000 and assessment of the installation methodologies for the intake and discharge sealines for the El Sokhna Power Plant
- Samsun (Turkey) for METKA/Power Project (Greece): for the CAPP Power Plant, executive design of the intake and discharge sealines (GRP, 3 x ND 2400 + 2 x ND 3200); supervision of the pipe production and supervision of the installation
- Sochi Outfall (Russia) for Aras: Consultancy and design for the installation of the Sochi Outfall, HDPE structural pipe ND 2000 3700 m long (in cooperation with Incea, Spain). Further on design for the installation of the new pipeline, ND 2000 solid wall. 1413 m long to -25m depth, connected to 2000 m long tunnel
- Baku (Azerbaijan): consultancy on the intake pipeline GRP ND 3200 for the Shimal II power plant and cooperation to the pipe producer in the design of an alternative offshore intake structure in GRP.
- Turkmenistan: feasibility study for the installation of a 10" gal trunk line in Zhadanov B field (for Ilk/Detek – Turkey)
- Aliğa (Turkey) for İzdemir – Peer review of the design of the intake (HDPE DN 1400) and discharge line (HDPE DN 900) and supervision of the executive design by the contractor and of the prefabrication and installation.
- Bursa (Turkey) Küçükkumla and Kurşunlu outfalls (for IGIP): survey, design and preparation of the Red Book for 2 outfalls
- Iskenderun (Turkey): inspection of land GRP lines connected by hand lamination or joined by full face couplings, supervision of the installation of the ND 4000 GRP, 700 m long discharge line of ATLAS Power Generation Inc. 2 X 600 MW, ISKENDERUN Coal-Fired Thermal Power Plant Turkey – for the pipe producer, Superlit
- Çanakkale, TR for Cenal (TR): peer-review of the outline design, executive hydraulic and diffuser calculations, outline design, executive design for the GRP 3 x ND4000 Intake lines (lengths 630, 615, 600 m) each with a Ø18m intake structure + 1 x ND3800 intake 485m long with Ø14,2 intake structure; 3 x ND3800 discharge lines with multiport diffuser (length 920, 965, 1015 m) for the TPP
- Garabogaz (Turkmenistan) for GAP (TR): sealines for the Fertilizer plant, GRP 1 x ND3700 x 1900m with single intake structure and 1 x ND3100 x 1300m with T diffuser: finalization of executive design on the base of the outline of Mitsubishi design; Specifications for material and installation, BOQ etc. (ongoing)
- Balkan (Turkmenistan) for Polimex (TR): GRP, 2 x ND2500 x 2015m intakes with intake structure and 2 x ND2500 x 630m (pre-installed partially in view of a future plant expansion) for Stage I of the desalination plant.
- Mostaganem (Algeria) for TML: Detail design and Method Statement for the installation of the 5 x 2500mm HDPE pipelines (ongoing)
- Salamina-Aegina submarine Aqueduct for Chr. D. Constantinidis S.A. Construction Company (Greece): executive engineering with the cooperation of Prof. Larsen for the installation of the 630mm HDPE pipeline in 90m depth (ongoing)
- Akkuyu Nuclear Power Plant for Yüksel Proje: consultancy services during preparation of the executive design (ongoing)
- Akkuyu Nuclear Power Plant for Sebat İnşaat: consultancy services during the installation of 10 x DN4000 GRP discharge lines (ongoing)

Participation to conferences and lectures

- EPMR 2002, Northern Cyprus: “The role of marine outfalls in a coastal wastewater treatment system - background and developments” (lecture, 2002)
- 2001/2002 at various Universities in Turkey (Akdeniz, Antalya; Dokuz Eylül, İzmir; Yıldız, İstanbul): Lectures on aspects of marine outfall's design, construction and monitoring; lectures and presentations on marine equipment.
- MWWD 2002 – 2nd International Conference on Marine Waste Water Discharges, İstanbul (Turkey)
 - Bottom pull of a large diameter steel outfall: double jointing and long ramp arrangement
 - A common realization by the KWH-Oceana JV: the Cayeli (TR) mine tailings outfall project
 - New inspection technologies assist the owners in the control of underwater pipelines and structures
 - Outfall operation monitoring and environmental control: the experience of Life-Aquarius project
 - Stability of underwater gabions and Sarmac mattresses for scour protection and pipeline ballasting: planning of laboratory tests
- XXX IAHR Conference: IAHR Short Course: *Design and Construction of Sea Outfalls*, August 21-22, 2003, Thessaloniki, Greece
- MWWD 2004 – 3rd International Conference on Marine Waste Water Discharges, Catania (Italy)
 - Hydraulic and technical evaluation of single diameter diffusers with flow rate control through calibrated, replaceable port exits
 - E+S large diameter Flexible Connections: recent case stories
 - "Snaking" outfalls: altimetric and planimetric deviations solved with flexible connections
- Coordinator of the Short Course A “*Materials and techniques for outfall construction*”, lecturer at Short Course B “*Hydraulics of the WWTP-Outfall systems*” at MWWD 2002
- BOTAS (State Organization for Oil and Gas, TR): various lectures on marine pipeline installations; preparation of the outlines of formation courses on marine pipelining
- Chamber of Turkish Engineers, Bodrum (TR): “Shore and coast protection: can “land-born” equipment, such as gabions and mattresses, and new technologies and structures substitute the traditional use of large rock and stones? (paper, 2005)
- MWWD 2006 – 4th International Conference on Marine Waste Water Discharges, Antalya (Turkey)
 - Is there the need of a comprehensive “Marine pipeline manual” for the young generation of engineers?
 - Bacterial pollution control, a key to human health / An outline of common practical problems and solutions in the diffuser design
 - Design engineers and surveyors: is a cooperation in the field necessary?
- MWWD 2008 – 5th International Conference on Marine Waste Water Discharges, Cavtat/Dubrovnik (Croatia)

- Sea level changes – what is said about it? / Mersin outfall: a long story arriving to conclusion
- MWWD 2010 – 6th International Conference on Marine Waste Water Discharges, Langkawi, Malaysia
 - Challenges in the design and installation of large diameter “marine” GRP pipes
- MWWD 2012 – 7th International Conference on Marine Waste Water Discharges, Bečići, Budva, Montenegro
 - Facts and considerations on out-of-tolerance GRP joints (co-author)
- MWWD 2014 – 8th International Conference on Marine Waste Water Discharges, St. Julian, Malta.
 - “A project development seen from the point of view of the supervisors: The El-Ain El-Sokhna PP intakes”
 - “The Sochi “Olympic Outfall” adventure ... it is well what ends well”
- MWWD 2016 – 9th International Conference on Marine Waste Water Discharges, Golden Sands, Varna, Bulgaria.
 - “Couplings, gaskets and marine lugs: crucial elements for GRP marine pipelines” (co-author)
- MWWD 2018 - 10th International Conference on Marine Waste Water Discharges, Dubai, UAE
 - Participation without paper

Participation to various international and national exhibitions, forums and conferences, particularly focused on marine pipeline engineering and related products/services.

Consultancy services to the suppliers

- NOVA SIRIA - tailor-made couplings up to DN 4000 and over.
- MEGAFLEXON Expansion Joints up to DN 6000
- PROCO PRODUCTS, INC., duckbill valves, control valves and expansion joints
- AMEX internal sealing systems for accessible and for non-accessible pipe systems up to DN 6000