

MARCO GONELLA Curriculum Vitae

Name:	MARCO GONELLA	
Profession:	Civil, Hydraulic and Maritime Engineer, M.Sc. Ph.D. in Environmental Sciences	
Date of Birth:	April 3 rd , 1965	
Contacts:	e-mail: marco.gonella.65@gmail.com marco.gonella@fastwebnet.it marco.gonella2@ingpec.eu mobile: +39 366 4065230	
Years of professions: 30	Nationality:	Italian
Membership in Professional Societies:	Enrolled in the “Order of Engineers of the Province of Turin” with the nr. 7387K	



Key Qualifications:

- ✓ During his career he covered the tasks of Chairman, Chief Executive Officer and Deputy Technical Director of several Engineering and Construction Companies (ROMA DESIGN, MED INGEGNERIA, TECMED, Progea, GEI COMPANY GROUP, Progetti e Ambiente) and Research Institutions (C.R.S.A., CURSA, IDRA), working in the Italian and, especially, in the foreign markets.
- ✓ From 1993 to 2014 he has been the Project Manager of all the civil infrastructural projects performed by the Italian company MED INGEGNERIA S.r.l., with a total amount of designed infrastructures of about 4 billion U.S. dollars, managing and organising multidisciplinary staff of engineers, geologists, architects, biologists and environmental scientist (See below the section “Main projects”).
- ✓ He has a broad experience in designing infrastructures for an amount of designed works of more than 8 billion Euro value (see section Main Projects) especially related to the hydraulic engineering sector: maritime works, ports and harbours, dams, flood management works, irrigation.
- ✓ As independent contractor he acted as Official Work Inspector, Construction Supervisor, Safety Manager in different infrastructure, maritime and environmental Italian building sites (in particular he has been Official Work Inspector for the construction of the Juventus Stadium, in Turin, 2011).
- ✓ He invested great efforts in the scientific and technical research for the Environment: in 2010 owned the Ph.D. in Environmental Sciences at the Bologna University (Italy); he has been Vice President of a primary Italian University Consortium (CURSA) for research in socio-economy and environment; as CURSA VP in 2012 he was in the Italian Official Delegation at Rio+20 United Nations Conference on Sustainable Development; he managed important environmental studies for the Oil & Gas Industry (See below the section “Publications”).
- ✓ He has been the Managing Director of several EU Research Projects related to: infrastructural planning and design of works to defend the coastal areas from the Climate Changes effects; infrastructural planning for the sustainable development of coastal areas through the European Principles for the ICZM (Integrated Coastal Zone Management); water recycling and optimization management in coastal areas through reinjection; land remediation and optimal reuse of contaminated sediments dredged from industrial harbors.
- ✓ He worked in projects supported by the main international institution as World Bank (WB), United Nations Environment Programme (UNEP), EU Commission (EU), African Development Bank (ADB), Asian Disaster Preparedness Center (ADPC) and several Italian Ministries (Environment, Foreign Affairs, Infrastructures, Agriculture and Forestry).

- ✓ He has large experience in managing complex studies related to the ESHIA (Environment, Social, Health Impact Assessment) activities and other environmental studies.
- ✓ He has deep experience in managing complex numerical models studies finalized to the infrastructural, water resources and environmental projects.
- ✓ He has good technical and commercial relationships with all the main Italian Construction Enterprises and some important international Companies.

Education:

1988 Degree (cum laude) in Civil Engineering – Hydraulic – Polytechnic of Turin – ITALY
 2010 Ph.D. in Environmental Sciences – University of Bologna – ITALY

Countries of Work Experience:

Italy, France, Spain, UK, Netherlands, Belgium, Denmark, Romania, Poland, Lithuania, Latvia, Albania, Bosnia-Herzegovina, Slovenia, Croatia, Turkey, E.A.U., Lebanon, Iraq, Iran, Kazakhstan, Thailand, China, Australia, Tunisia, Algeria, Morocco, Egypt, Tanzania, Mozambique, Congo, Cameroon, Gabon, U.S.A., Honduras, Brazil, Chile, Argentina.

Languages:

	Reading	Speaking	Writing
Italian	mother-tongue	mother-tongue	mother-tongue
English	good	Good	good
French	good	Good	good
Spanish	fairly-good	fairly-good	fairly-good

Employment Record:

From 2018 to date: founder of the engineering company I.D. Project S.r.l.s. (Italia).

From 2018 to date: member of the Scientific and Technical Board of the merchant bank GMB Financial S.p.A. (Orte, Italia).

From 2017 to date: founder and General Manager of ROMA DESIGN S.r.l. (Rome, Italia), an engineering company that groups 15 leading Italian engineering companies, very skilled and specialised in the different fields of the infrastructure engineering, with a financial institution, in order to develop the international market of EPC+F initiatives.

From 2015 to date: partner of GEI COMPANY GROUP S.p.A. (Milano, Italia): Engineering Manager e International Business Development Manager.

From 2012 to date: free-lance consultant in FGTECNOPOLO HOLDING (Rome, Italy): Senior Partner.

From 2009 to 2018: in TEC MED S.r.l. (Cagliari, Italy): President and Technical Director.

From 1993 to 2014: in MED INGEGNERIA S.r.l. (Ferrara, Italy): Technical Director (from 1995), Deputy Director (from 1995).

From 2006 to 2014: Vice-President of CURSA (University Consortium for Socioeconomic and Environmental Research that was founded in 2008, as an initiative of the three public universities of Molise, Tusciana and Ferrara and the non-profit association IDRA, with the objective of promoting interaction between theoretical research and applied practice in the fields of environmental protection and socio-economics). Responsible for the relationship between the public/private research institutions and the enterprises.

2001: Professor on Integrated Coastal Zone Management (CIRSA, Bologna University, Ravenna, 2001).

From 1998 to 1999: Professor in Master Courses on Environmental Engineering (COREP, Polytechnic of Turin, 1998, 1999).

From 1990 to 2001: Member of Intecno S.r.l. and Responsible of the DHI (Danish Hydraulic Institute) Technical Support Centre in Italy within the DHI-Intecno partnership.

From 1989 to 1992: Engineer at the Hydrodata S.p.A. (Turin, Italy). Studies and projects in the field of water resources and river engineering. Specialised in numerical models development and applications. Responsible of the DHI Italian Agency.

Main activities and responsibilities

- 2018 Preliminary design of an hydroelectric plant, Central de Santa Maria de Oro, in the Province of San Juan, along the San Juan River (Altair Group, Argentina).
- 2017 Rehabilitation of the De Agostini industrial site in Novara (Italy). Management of the environmental, demolition and technological plants issues (Base Engineering, Turin, Italy)
- 2016 Pre-feasibility study for the development of the industrial area of Lamezia Terme including a new tourist resort with indoor dock, multi-purpose port and reception / exhibition facilities for an estimated investment of 550 million Euros (on behalf of Lodestar & Partners Srl with customer Lameziaeuropa S.p.A.)
- 2016 Pre-feasibility study of the port of Sur in Oman, a trans-shipment port for 10 million TEUs a year, for a construction value of 2.5 billion Euros (Suez Capital Ltd., Malta)
- 2016 Technical and economic feasibility study and financial plan for the reorganization and urban redevelopment of the Maritime Station St. Cecilia in Messina (on behalf of F & M Engineering S.p.A. with customer Municipality of Messina)
- 2016 Pre-feasibility study of the Khour Zangi Terminal in the Iman Khomeini Harbour, Kuzhestan, Iran, for Gulf Agency Corporation (Teheran, Iran)
- 2016 Concept design of four hospitals and four light railway transport systems in Iran on the tracks Pardis – Tehran, Sahand – Tabriz, Fouladshar – Esfahan, Maijlesi - Baharestan – Esfahan for New Town Development Corporation, an in-house company of the Iranian Ministry of Roads and Urban Development (Teheran, Iran)
- 2015 Preliminary project and technical-economical offer for the water treatment plant (arsenic removal) of the Chuquicamata copper mine in Chile, of the Co.del.co. company (DinamicalTec, Santiago, Chile)
- 2015 Detailed design of a hydroelectric power plant along the Bio Bio River in Chile (DinamicalTec, Santiago, Chile)
- 2015 Pre-feasibility study of the Port of Afungi in Mozambique, for Idrotec S.r.l. (Milano, Italia)
- 2014 Master Plan of the Maganja Port in Mozambique, for Idrotec S.r.l. (Milan, Italy)
- 2012 – to date Engineering International marketing for FGTECNOPOLO HOLDING. Visits and contacts in Algeria, Tunisia, Kurdistan, Chile, Iran, India.
- 1995 – 2014 Managing Director, Technical Director, Project Manager and Supervisor of MED INGEGNERIA with the supervision of all the services of the company. The main activities of the last 10 years are indicated below.
- 2013 – 2014 Member of the Advisory Committee of the COVERMAR Project (Coastal Vulnerability to Multiple Inundation Sources) made by the Australia-Pacific Natural Hazards Research Laboratory, University of New South Wales, Sydney, in collaboration with Sydney Coastal Councils Group Inc. and the Hazards Research Laboratory, School of Geoscience, University of Sydney.
- 2010 – 2011 Official Inspector of works in progress during the construction of the Juventus Stadium (Turin). In particular he has been responsible of all the lifting operations of the bearing structure of the roof, created with a cable stayed system supported by a couple of two-leg main columns 84 m long.
- 2010 – 2013 Technical and commercial activity with trips in E.A.U., Kazakhstan, Kuwait, Iraq, Jordan, Lebanon, Tunisia, Algeria, Morocco, Cameroun, Mozambique, Brazil.
- 2010 – 2014 SWLRI Strategy for Water and Land Resources in Iraq. General Master Plan and infrastructural Project for the Water and Land Resources Management in Iraq for the next 20 years. General Plan of infrastructural investment in the Water Sector (including water treatment) for about 300 billion U.S. dollar (Iraqi Ministry of Water Resources, Baghdad, Iraq).
- 2012 Navigation survey of the Shatt Al Arab and Tigris rivers between Majnoon oil field and Al Jawaber, Iraq (Ale Heavylift Middle East, Iraq).

2012	Structural Master Plan for the city of Anbar in Iraq (Iraqi Ministry of Water Resources).
2012	Shatt-Al-Arab Irrigation Project. Preliminary and final design. Topographical survey, semi detailed soil surveys, cross sections analysis, hydrological study, mathematical model, geotechnical investigations (Ministry of Water Resources, Iraq).
2012	North Caspian Coastal Zone Bio & Geodiversity Management Masterplan and related environmental and socio-economic studies (Agip Kazakhstan North Caspian Operating Company NV, Eni Group, Kazakhstan)
2012	Hydraulic studies in support of the extension work to the marina port of Marana (TEC MED INGEGNERIA, Cagliari, Italy).
2012	Hydraulic study for the preparation of the paper of the regulatory areas of the Plain of Ameglia (Ameglia Municipality, Italy).
2012	Preliminary design of the embankment in the right side of river Po (Fontane S.a.s., Italy).
2012	Tramway of Erbil Project. Guidelines for the Environmental Impact Analysis and data collection (FG Tecnopolo S.p.A., Rome, Italy)
2012	Feasibility Study and Conceptual Master Plan for the development of the island of Maqboulla in Abu Dhabi (FG Tecnopolo S.p.A., Rome, Italy)
2012	Design of River Management infrastructures for the Ouadi Rhumel in the City of Constantine, Algeria (FG Tecnopolo S.p.A., Rome, Italy)
2011	Water and Sanitation Master Plans and Capacity Building in Iraq (UNDP United Nations Development Programme, Iraq).
2011	Design of a new marina in the town of Porto Recanati (Italy) and assistance in the process of Project Financing (Donati S.p.A., Italy).
2011	Flooding analysis on Zubair oil production field in Southern Iraq (Saipem S.p.A., Italy).
2011	The Strategic Development Master Plans for the cities of Zubaidiya and Shakh Saad and Modernisation of their Master Plans Project (Governorate of Salah Al Din, Iraq).
2011	Feasibility study for the development of the port of San Lorenzo in Honduras (Goldlake Italia S.p.A., Italy).
2011	Preliminary design of redevelopment and reuse of an old quarry and construction of an harbor in Arcella (Arcella S.r.l., Italy).
2011	Integrated logistics platform in the port of Taranto. Realization of a sediment tank. Study of navigability with a simulator maneuvering within the port of Taranto for mooring of ships to dock in the IV hanging Assistance to the final design (SINA S.p.A., Italy).
2010	Geological survey, installation of piezometers and characterization of the aquifer in the area in front of the location of the future "Port of Fiumaretta" (Marinella S.p.A., Italy).
2010	Preliminary design of the Port of Valle in Porto Santo Stefano, Monte Argentario (Donati S.p.A. Italy & BESIX S.A. Belgium).
2010	Decision-Support System (DSS) for the Ministry of Water Resources of Iraq (UNDP United Nations Development Programme, Iraq).
2010	Performance of the experimental system of risk early warning of collapse of the embankment along the main rivers in the Ravenna Province (Ravenna Province Government, Italy)
2010	Strategy for Water and Lands Resources in Iraq (SWLRI): Master Plan of the Water and Land Resources for the entire Iraqi Country (Ministry of Water Resources, Iraq).
2010	Technical Assistance for the Implementation in Iraq of the UN Framework Convention on Climate Change and of the UN Convention on Biological Diversity (Iraq Foundation, Nature Iraq, Iraq)
2010	Hydrological and hydraulic studies, Environmental Impact Assessment Study and Final design of the irrigation system for palma oil plantations in Congo (AMEC Earth & Environmental GmbH, Italy).
2010	Detailed analysis on financial additionality in CDM projects with particular attention to "gas flaring down" and "renewable energies" topic in the north Africa and sub-saharian Africa. Evaluation of post-2012 flexible mechanism scenarios with an international and european perspective(AMEC Earth & Environmental GmbH, Italy).
2010	European Research project LIFE+ on the Recovery of dredged SEDiments of the PORT of Ravenna and SILicon extraction (SEDI.PORT.SIL.) in Italy and Romania (European Commission, Ravenna Port Authority, Italy).
2010	Design of the hydraulic structures of the High-capacity Railway System Milan-Verona-Brescia (MBV S.c.a r.l., Italy).

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- 2010 Preparation of the environmental report for the Strategic Environmental Assessment for the Master Plan of the port of Pescara (Pescara Municipality, Italy).
 - 2010 Hydrological study - hydraulic and final design of irrigation works on the plantations of palm oil in Congo (Saipem S.p.A., Italy).
 - 2010 Ngarenanyuki traditional irrigation system hydrologic and infrastructural assessment for rehabilitation done in Tanzania (Istituto OIKOS, Italy).
 - 2009 Final design of dams Aawa, Khudhebeg, Seamasour and Slokan and design of hydroelectric power stations in the region of Kirkuk in Iraq (Ministry of Water Resources, Iraq).
 - 2009 Executive design of the works for the construction of the right embankment of the River Magra, in the municipality of Lerici (La Spezia Province Government, Italy).
 - 2009 Risk flooding assessment with a two-dimensional model of the river Arda in the site of Cortemaggiore (Saipem S.p.A., Italy).
 - 2009 Executive design of Lot n. 9 of the right embankment of the River Magra in the town of Ameglia (Ameglia Municipality, Italy).
 - 2009 Bolashak Refinery Treated Waste Water Reuse Applications Evaluation Study (Agip Kazakhstan North Caspian Operating Company NV, Eni Group, Kazakhstan).
 - 2009 Preliminary Design of a new marina in Ladispoli (Impresa Franco Giuseppe, Italy)
 - 2009 Study with numerical modeling of silting in the New Oil Terminal in Valona, Albania (ACMAR S.c.p.a. Dega ne Shqiperi, Albania).
 - 2009 Detailed design, construction management and construction, geotechnical, geological report, safety management related to the construction of the bridge on the Canal Valtorto (Rondinelli escavazioni S.r.l., Italy).
 - 2009 Final design of the Beshder dam and the related irrigation system (Ministry of Water Resources, Iraq).
 - 2009 Detailed Design for Irrigation & Drainage System in the New Sanitary Protection Zone Green Shelter Belts (Agip Kazakhstan North Caspian Operating Company NV, Eni Group, Kazakhstan).
 - 2009 Analysis of the vulnerability of buildings due to the tsunami event in the Stromboli Island (I.D.R.A., Italy).
 - 2008 Wind resource analysis and preliminary study for the production of wind energy in Calabria (Tretigli S.r.l., Italy).
 - 2008 Final design and Environmental Impact Assessment study for the remediation of the Piombone Lagoon (Ravenna Port Authority, Italy).
 - 2008 Integrated program of studies, preliminary design and technical assistance for the planning of interventions on river engineering and related environmental recovery in the Piedmont area of responsibility of the Po Agency (AIPO, Interregional Agency for the River Po, Italy).
 - 2008 Guidelines for the new Master Plan of the Rimini Harbor (Municipality of Rimini, Italy).
 - 2008 New Eden Master Plan for the integrated management of water resources in South IRAQ (Iraq Foundation, Iraq).
 - 2008 Final design for the works of defense on the right and left bank of the River Sesia river close Ghislarengo (LAURO S.p.A., Italy).
 - 2008 Final design and Environmental study for the Badoush dam in Iraq (Ministry of Water Resources and Kurdistan Regional Government, Iraq).
 - 2008 Geological and geotechnical consulting for Adriatic LNG Project (Consorzio Ferrara Ricerche, Italy).
 - 2008 Engineering services about works of stabilization of the landslides in the western side of the city of Niscemi using bioengineering techniques (Niscemi Municipality, Italy).
 - 2008 Final design and safety construction management for the interventions to reduce the silting in the harbor of Cervia and beach erosion in Milano Marittima through the extension of the port piers (Cervia Municipality, Italy).
 - 2008 Urban Planning for the three cities of Qassim, Mussayab, Hindiya in Southern Iraq (Ministry of Municipalities and Public Works, Iraq).
 - 2008 Final design for the realization of a new oil terminal in Valona (ACMAR S.c.p.a. Dega ne Shqiperi, Albania).
 - 2008 Preliminary and Final Design of the tourist harbour "Marina Chiara" (Metalcost S.p.A., Italy).
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- 2008 Master plan, preliminary design, environmental impact assessment and associated studies for the construction of the cement terminal (Phase 1A and Phase 1B) in the new port of Shengjin (Otto Al - Fassa Bartolo, Albania).
- 2008 Masterplan, Environmental Impact Study and associated studies for the construction of the new port of Shengjin in Albania, including the area behind the port and 2.7 km of tunnel connection. Preliminary draft of the cement terminal (Phase II and III) (Otto Al - Fassa Bartolo, Albania).
- 2008 Coastal hydrodynamic and morphological study relating to the project for the expansion of the marina of Porto Rotondo by numerical modeling (Marina di Porto Rotondo S.r.l., Italy).
- 2008 Structural Plan for the development of the city of Babil Governorate (Ministry of Municipalities and Public Works, Iraq).
- 2008 Environmental Impact Analysis for the enlargement of the airport of Punta Raisi (GES.A.P. S.p.A., Italy).
- 2007 Hydrodynamic numerical modelling study of solid transport and dispersion of pollutants for the enlargement of the Port of Palau (Palau Port Authority, Italy)
- 2007 Real time forecast system of Po river flooding (AIPO, Interregional Agency for the River Po, Italy).
- 2007 Final and feasible design of the tourist harbour in the Simeri river Mouth, in the municipality of Simeri Cricchi. The work includes also the final and feasible design of all the areas functionally associated to the harbour. The design of a bridge is also included. (Impresa Franco, Italy)
- 2007 Hydraulic study and definitive design of the bank of the physical separation between the port area and the environmental zone of the Lagoon of Piombone (Ravenna, Italy). (Ravenna Port Authority, Italy)
- 2005 - 2007 CRATER – Coastal Risk Analysis Of Tsunamis And Environmental Remediation - innovative solutions for natural hazard risk assessment developed through ICZM principles, financed by Italian Ministry of Environment and Asian Disaster Preparedness Center (UNO) after the Tsunami of 2004/12/26 in Thailand.
- 2007 - 2009 Al Baghdadi Dam and Hydropower Project; planning design of the dam and the power station along the Euphrates (Ministry of Water Resources, Iraq).
- 2006 Preliminary design for works of structural maintenance of 1 berth and 1 pier located in the area of the. Arsenale Triestino S. Marco (Trieste Port Authority, Italy).
- 2006 Final project for the enlargement of the Forth pier and of the Western waterfront of the port of Taranto (Italy) (Progetti e Ambiente S.p.A., Taranto Port Authority, Italy)
- 2006 Preliminary and executive project for a new harbour in Rodi Garganico (Italy) (Rodi Garganico Municipality, Italy).
- 2007 - 2009 Consulting Assistance Services for the preliminary, planning and final design of Qara Ali dam and Irrigation project along the Tanjer River in Northern Iraq (Ministry of Water Resources, Iraq).
- 2006 - 2008 Algerian coast Management through Integration and Sustainability (AMIS). Client European Commission (under the SMAP III projects) and Interdepartmental Centre for Environmental Sciences Research (CIRSA), University of Bologna.
- 2006 - 2008 Consulting Assistances Services to the Iraqi Ministry of Water Resources on updating water resources management strategies in the Marshlands Area. (Nature Iraq, Italian Ministry For Environment And Territory, Iraqi Ministry of Water Resources).
- 2006 - 2008 Design procurement and Installation of a Hydrological monitoring Network in Iraq (Nature Iraq, Italian Ministry For Environment And Territory, Iraqi Ministry of Water Resources).
- 2006 - 2007 Desk study on alternative irrigation schemes in southern Iraq. Desk study on constructed wetland design in southern Iraq. Desk study on modelling the hydrodynamic conditions of the Tigris, Euphrates and Shatt al Arab Rivers for water control design purposes (Nature Iraq, Italian Ministry For Environment And Territory, Iraqi Ministry of Water Resources).
- 2005 - 2006 Preparation of the “New Eden Master Plan for Integrated Water resources management in Southern Iraq” and definition of water management strategies for the rehabilitation of the marshlands in combination with agriculture development and river navigation (Nature Iraq, Italian Ministry For Environment And Territory, Iraqi Ministry of Water Resources).
- 2005-2007 Detailed design and construction management of a new marina located in Termoli Harbour (Marinucci Yachting, Termoli, Italy).
- 2005 Preliminary design of a tourist harbour Marinacquaviva located in Piombino (Ge.Por.Tur. S.a.s., Livorno, Italy, 2005);
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2005	Preliminary and detailed design and construction management for the restoration of existing defence works in the locality of Bagni S.Pietro - Municipality of Ischia (Napoli, Italy). (Napoli Province Government, Italy).
2004-2005	Preliminary, final, executive design of the works of safeguard of the beaches of Lignano Pineta (Udine, Italy). (SIL S.p.A., Lignano, Italy).
2003	Executive design for the achievement of the new nautical dock of the exhibition complex (Fiera of Genoa) and the new technical dock (Genoa, Italy). (Genova Port Authority, Italy).
2002 - 2004	Field assessment and case study on the water resources conditions of southern Iraq. Preparation of the a desk study named "Abu Zirig Marshland Monitoring Program" (Iraq Foundation, Italian Ministry For Environment And Territory, Iraqi Ministry of Water Resources).
2002-2003	Specialised studies for the Master Plan of the Port of Termoli (Italy). (Molise Regional Government, Italy).
2002	Analysis and studies of the Master Plan of the Port of Giulianova (Italy) (Giulianova Port Authority, Italy).
2001 - 2003	The Master Plan of the Ravenna Coastal Area, developed through the ICZM European Principles
1994 - 1998	CENAS Project, in CENAS, Coastline Evolution of the Upper Adriatic Sea due to Sea Level Rise and Natural and Anthropic Land Subsidence (EC Environment Programme 1990-1994)

Main projects

2009 – to date In the last 10 years as Independent Contractor and as Project Manager and Technical Director of MED INGEGNERIA he signed personally the technical activities and designs, assuming all the responsibility under the Italian Laws as an independent Professional, for a global amount of the designed works of € 8.329.014.691,70 in the following categories.

Category		Amount
Ordinary buildings	Ia	€ 1.422.009,66
Industrial buildings	Ib	€ 5.862.700,00
Main industrial buildings	Ic	€ 148.599.590,00
Luxury buildings	Id	€ 105.458.977,99
Structures in reinforced concrete	If	€ 114.000.000,00
Antiseismic structures	Ig	€ 81.931.904,08
Dockyards	IIb	€ 230.000.000,00
Chemical plants	IIc	€ 4.971.111,00
Electrical power plants	IIIa	€ 3.986.253,07
Mechanical and industrial plants	IIIb	€ 45.181.834,75
Electrical and data networks	IIIc	€ 130.922.548,14
Hydroelectric plants	IVb	€ 449.468.174,80
Electricity grids	IVc	€ 572.392.023,04
Ordinary roads and railways	VIa	€ 234.244.904,52
Roads and railways in mountain areas	VIb	€ 898.965.881,88
Irrigation systems and riverside defenses	VIIa	€ 19.068.990,17
Pumping stations	VIIb	€ 306.281.742,31
Maritime works	VIIc	€ 3.027.066.937,81
Sewer systems	VIII	€ 7.030.539,33
Bridges	IXa	€ 7.099.678,81
Dams	IXb	€ 1.728.602.417,24
Tunnels and submerged foundations	IXc	€ 206.456.473,10

<i>Certified Client</i>	<i>Project / Site</i>	<i>Type</i>	<i>from</i>	<i>to</i>	<i>Works amount</i>
Progetti e Ambiente	Taranto	harbour docks and piers	2009	2012	€ 72.635.597,20
Marina di Menfi S.p.A.	Menfi	touristic harbour	2010	2012	€ 32.385.963,50
Impresa Franco	Gioia Tauro	harbour docks and piers	2012	2013	€ 24.711.366,36
N.V.BESIX	Porto S. Stefano	multifunctional port	2010	2010	€ 50.479.020,34
Impresa Franco	Ladispoli	touristic harbour	2009	2010	€ 13.858.864,00
In.Porto	Vasto	touristic harbour	2010	2010	€ 13.962.786,75
In.Porto	Lesina	touristic harbour	2010	2010	€ 14.810.114,20
Otto-Al	Shengjin (Albania)	harbour, roads, tunnels	2009	2010	€ 493.069.385,00
Med Ingegneria	Pescara	Port Master Plan	2009	2009	€ 90.000.000,00
Med Ingegneria	Arcella	touristic harbour	2012	2012	€ 7.952.818,79
Med Ingegneria	Porto Recanati	touristic harbour	2012	2013	€ 10.775.823,09
Med Ingegneria	Valona (Albania)	Oil&Gas harbour	2010	2010	€ 14.209.509,00
Med Ingegneria	Metalcost	touristic harbour	2010	2010	€ 5.590.000,00
Med Ingegneria	Termoli	touristic harbour	2010	2010	€ 7.080.840,00
Med Ingegneria	Cervia litorale	coastal works	2009	2009	€ 1.153.120,30
Med Ingegneria	Cervia moli	harbour docks and piers	2009	2009	€ 380.000,00
Med Ingegneria	S. Lorenzo (Honduras)	harbour docks and piers	2011	2011	€ 145.974.115,00
Med Ingegneria	Entella	embankments	2009	2013	€ 6.500.000,00
Med Ingegneria	Ameglia	drainage system	2011	2011	€ 3.867.087,76
Med Ingegneria	Arcola	embankments	2013	2013	€ 1.104.872,46
Med Ingegneria	Magra	embankments	2013	2013	€ 10.414.117,71
Andrea Atzeni	Cagliari	harbour docks and piers	2012	2012	€ 8.670.737,01
El Concorde	Qara Ali (Iraq)	dam and irrigation plant	2009	2012	€ 267.955.544,05
El Concorde	Al Baghdadi (Iraq)	dam, hydroelectric plant	2007	2009	€ 753.666.121,26
El Concorde	Badoush (Iraq)	dam	2009	2010	€ 1.062.966.457,33
El Concorde	Beshder (Iraq)	dam	2009	2010	€ 20.235.000,71
El Concorde	4 small dams (Iraq)	dam and irrigation plant	2009	2010	€ 28.048.017,35
FGT Consulting	Sur (Oman)	commercial harbour	2016	2016	€ 2.399.000.000,00
Lodestar Partners	Lamezia	commercial harbour	2017	2017	€ 525.954.835,31
DinamicaITec	Chuquicamata (Cile)	water treatment plant	2015	2016	€ 12.724.642,00
DinamicaITec	Ellaima (Cile)	hydroelectric plant	2016	2016	€ 108.484.523,40
FGTecnopolo Holding	Erbil LRT (Iraq)	urban railway system	2010	2013	€ 1.055.554.804,68
FGTecnopolo Holding	Duhoq LRT (Iraq)	urban railway system	2010	2013	€ 906.557.338,69
BESIX S.A.	Civitavecchia	harbour docks and piers	2012	2012	€ 158.281.268,45

See the attached synthetic schedules.

Publications

Peer Reviewed Papers

- G. Gambolati, G. Giunta, M. Putti, P. Teatini, L. Tomasi, I. Betti, M. Morelli, J. Berlamont, K. De Backer, C. Decouttere, J. Monbaliu, C.S. Yu, I. Broker, E.D. Christensen, B. Elfrink, A. Dante and M. Gonella (1998): Coastal morphodynamics of the Upper Adriatic Sea due to eustatic changes and land subsidence, IGEA, 11, 1-20,.
- M. Gonella, G. Gambolati, G. Giunta, M. Putti and P. Teatini (1998): Prediction of land subsidence due to groundwater withdrawal along the Emilia-Romagna coast, IGEA, 11, 49-58.
- M. Gonella, P. Teatini, L. Tomasi and G. Gambolati (1998): GIS applications and flood risk analysis in the Upper Adriatic Sea, IGEA, 11, 59-67.

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- G. Gambolati, P. Teatini, L. Tomasi and M. Gonella, Coastline regression of the Romagna region, Italy, due to sea level rise and natural and anthropogenic land subsidence, *Water Resources Research*, 35(1), 163-184, 1999
 - P. Teatini, M. Ferronato, G. Gambolati, W. Bertoni and M. Gonella (2005): A century of land subsidence in Ravenna, Italy, *Environ. Geology*, 47(6), 831-846.
 - P. Teatini, M. Ferronato, G. Gambolati and M. Gonella (2006): Groundwater pumping and land subsidence in the Emilia-Romagna coastland, Italy: Modeling the past occurrence and the future trend, *Water Resour. Res.*, 42, W01406, doi:10.1029/2005WR004242.
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- Gonella, M. (2005 – 2012), University of Padua, Faculty of Engineering, Invited Lecturer at the course of Numerical Modelling.
 - Gonella, M. (2012 – 2013), University of Turin, Faculty of Economics and Management, Invited Lecturer at the course of Enterprises Management, Focus on Sustainable Development and Green Economy.

Other information:

Married from 1990; two sons (Pietro, born in 1992, and Tommaso, born in 1998).

He was swimming instructor and athlete during high school and university; today is master swimmer.

Other sports: surf, windsurf, ski, snowboard, tennis.

Other interest: history and literature, poetry (composer), music (guitar player).

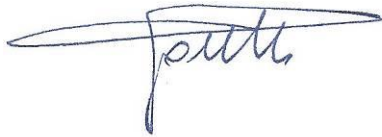
Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged

Date: April 2019

Full name: Marco GONELLA

Signature:

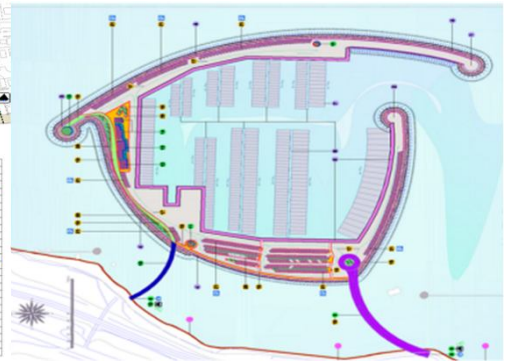
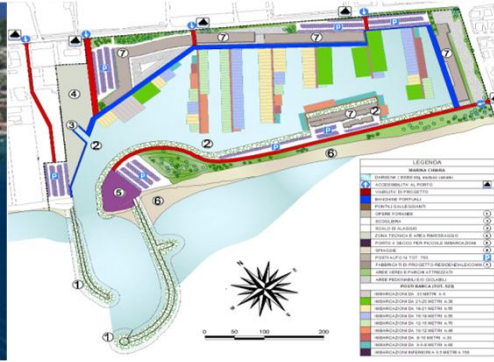
A handwritten signature in blue ink, appearing to read 'Gonella', with a long horizontal stroke extending to the left.



PORTS
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description Detailed and Final design
location Taranto, Puglia, Italy
client Progetti e Ambiente S.p.A.
amount of works € 72.635.597,20
date 2009 – 2012

PORTS
project Marina of Menfi, touristic harbour
description Preliminary and Detail design
location Porto Palo di Menfi, Sicily, Italy
client Marina di Menfi S.p.A.
amount of works € 32.385.963,50
date 2010-2012

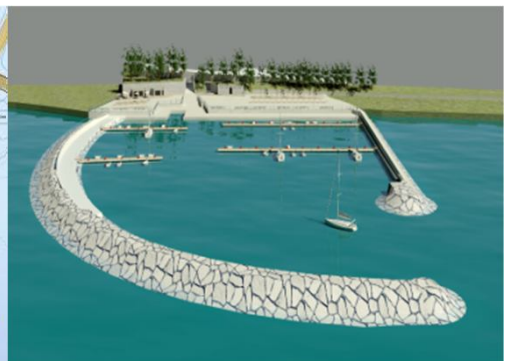
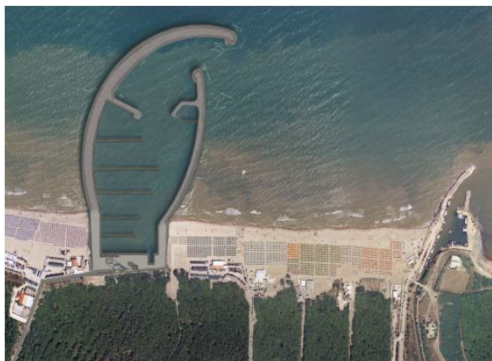
PORTS
project Wharves upgrading in the Gioia Tauro Harbour
description Final design, Construction Supervision
location Gioia Tauro Harbour, Italy
client Impresa Franco S.p.A.
amount of works € 24.711.366,36
date 2012-2013



PORTS
project Porto Santo Stefano New Layout
description Preliminary design
location Argentario, Tuscany, Italy
client Donati S.p.A. and N.V. Besix (Belgium).
amount of works € 50.479.020,34
date 2010 – 2010

PORTS
project Ladispoli Marina
description Preliminary design
location Ladispoli, Lazio, Italy
client Impresa Franco S.r.l.
amount of works € 13.858.864,00
date 2009 – 2010

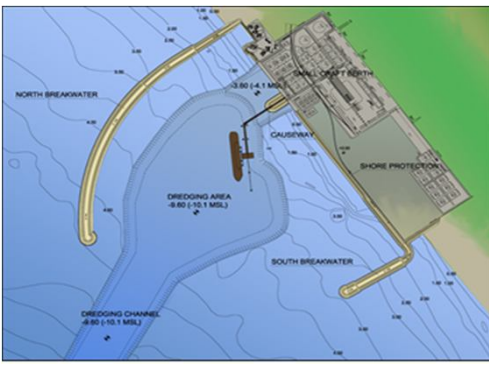
PORTS
project New marina of Vasto
description Preliminary design
location Vasto, Abruzzo, Italy
client In. Porto S.p.A.
amount of works € 13.962.786,75
date 2010 – 2010



PORTS
project Marina di Lesina tourist harbour
description preliminary design
location Lesina, Puglia, Italy
client In. Porto S.p.A.
amount of works € 14.810.114,20
date 2010 – 2010

PORTS AND INFRASTRUCTURES
project New multipurpose port of Shenjin: cement terminal, Ro-Ro, Container, Tunnels and Roads
description Feasibility study and Preliminary design
location Shenjin, Albania
Client Otto-AI (Albania)
amount of works € 493.069.385,00
date 2009 – 2010

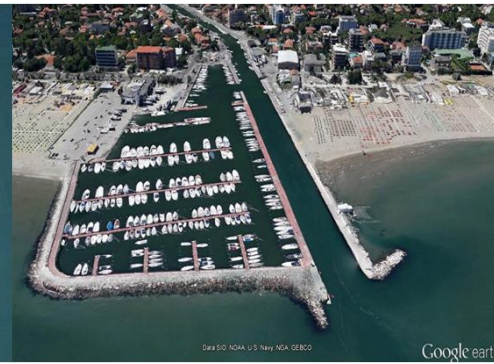
PORTS
project New Marina of Arcella
description Preliminary design
location Arcella, Lazio, Italy
Client Arcella S.r.l.
amount of works € 7.952.818,79
date 2012 – 2012



PORTS
project Vlorë port – PIA Terminal
description Preliminary and Detail design
location Valona, Albania
client ACMAR S.c.p.A
amount of works € 14.209.509,00
date 2010 – 2010

PORTS
project Marina Chiara tourist harbour and yachting repairing yard
description Preliminary design
location Ameglia, Liguria, Italy
client Metalcost S.p.A
amount of works € 5.590.000,00
date 2010 – 2010

PORTS
project Marina of San Pietro tourist harbour
description Preliminary, Detail, Final design and Work Supervision
location Termoli, Molise, Italy
client Marinucci Yachting Club S.p.A
amount of works € 7.080.840,00
date 2010 – 2010



PORTS
project Pescara Port Master Plan
description Environmental Impact Assessment
location Pescara, Abruzzo, Italy
client Pescara Municipality
amount of works € 90.000.000,00
date 2008 – 2009

PORTS AND COASTAL WORKS
project Cervia Harbour new port mouth and beach management against erosion
description preliminary design (beach management) and final design and work supervision (new port mouth)
location Cervia, Emilia Romagna, Italy
client Cervia Municipality
amount of works € 1.533.120,30
date 2009 – 2009

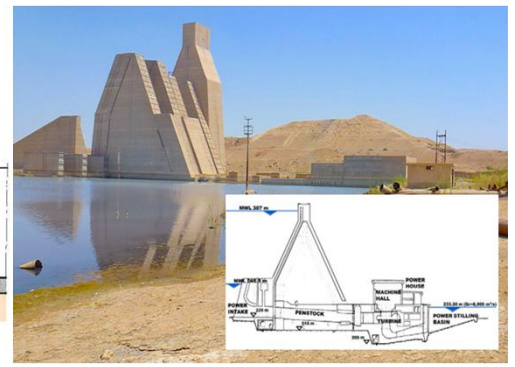
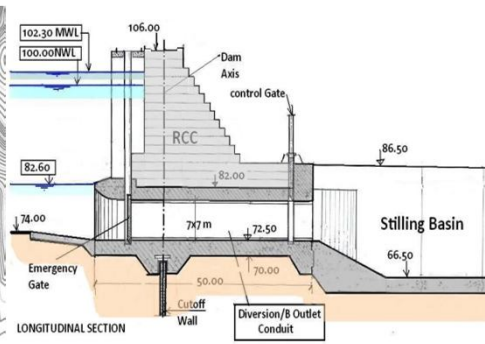
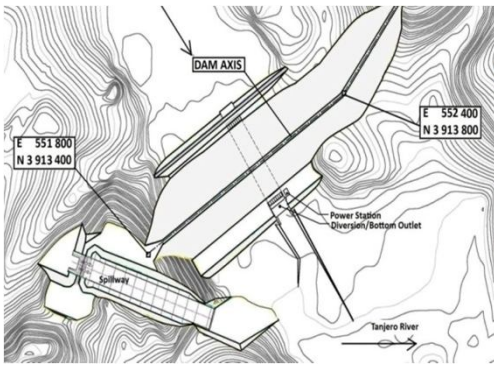
PORTS
project Development of the Henecan Port in San Lorenzo
description Feasibility studies and Preliminary design
location San Lorenzo, Honduras
client Golden Lake Italla S.p.A.
amount of works € 145.974.115,00
date 2011 – 2011



PORTS
project New fishing harbour in Cagliari Port
description detailed design
location Cagliari, Sardinia, Italy
client Prof. A. Atzeni
amount of works € 8.670.737,01
date 2012 – 2012

PORTS
project New transshipment port of Sur, yards and industrial area
description pre-feasibility concept design and studies
location Oman
client FGT Consulting S.a.
amount of works € 2.399.000.000,00
date 2016 – 2016

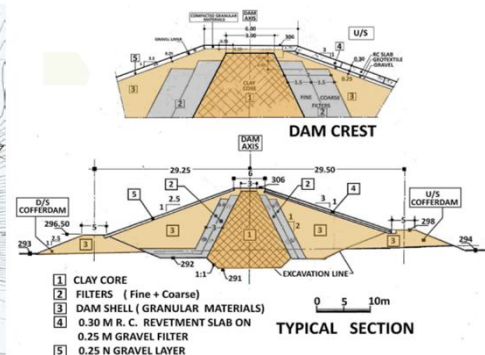
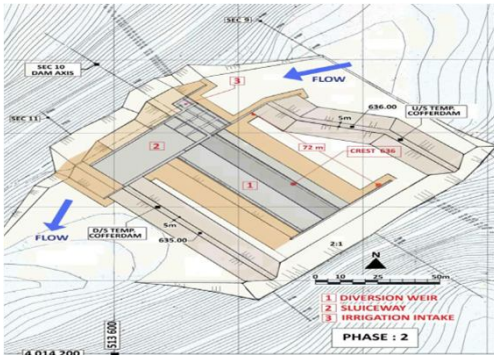
PORTS
project Lamezia Waterfront Project: touristic port and facilities, commercial infrastructures
description pre-feasibility concept design and studies
location Calabria, Italy
client Lodestar S.r.l., Lameziaeuropa S.p.A.
amount of works € 525.954.835,31
date 2017 – 2017



DAMS
project Qara Ali Dam and irrigation project
description Detail design
location Iraq
client El Concorde Llc on behalf of Iraqi Ministry of Water Resources
amount of works € 267.955.544,05
date 2009 – 2012

DAMS
project Al Baghdadi Dam and Hydropower station
description Detail design
location Iraq
client El Concorde Llc on behalf of Iraqi Ministry of Water Resources
amount of works € 753.666.121,26
date 2007 – 2009

DAMS
project Badoush Dam on the Tigris River
description Detail design
location Iraq
client El Concorde Llc on behalf of Iraqi Ministry of Water Resources
amount of works € 1.062.966.457,33
date 2009 – 2010



DAMS
project Beshder Dam and irrigation project
description Detail design
location Iraq
client El Concorde Llc on behalf of Iraqi Ministry of Water Resources
amount of works € 20.235.000,71
date 2009 – 2010

DAMS
project 4 small dams in Kurdistan
description Detail design
location Kurdistan, Iraq
client El Concorde Llc on behalf of Kurdistan Regional Government
amount of works € 28.048.017,35
date 2009 – 2010

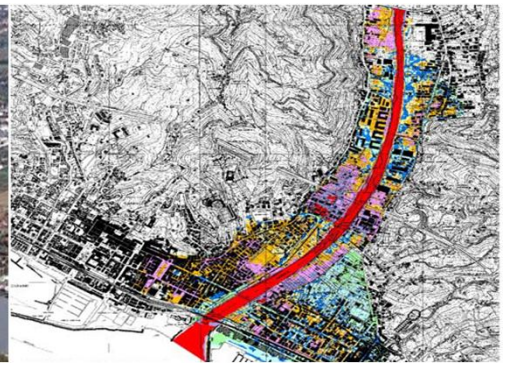
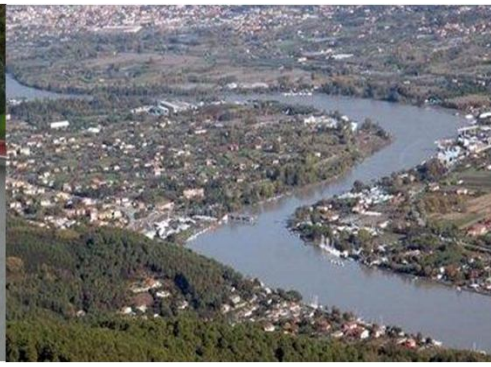
WATER TREATMENT PLANT
project Treatment plant of the effluent waters (acid waters and abatement of arsenic) of the Chuquicamata copper mine
description Detail design
location Chile
client DinamicalTEC S.p.A. on behalf of CODELCO (Corporación Nacional del Cobre, Chile)
amount of works € 12.724.642,00
date 2015 – 2016



HYDROPOWER PLANT
project Hydroelectric engine room of La Frontera Power Plant on the Bio Bio River
description FEED and Detailed Design
location Chile
client DinamicalTEC S.p.A. on behalf of Ellaima Energia, Santiago (Chile)
amount of works € 108.484.523,40
date 2016 – 2016

TRANSPORTATION
project Light Rail Transit System For Mass Urban, Erbil
description Preliminary and Detailed Design
location Kurdistan, Iraq
client FG TECNOPOLO HOLDING S.p.A. on behalf of Kurdistan Regional Government
amount of works € 1.055.554.804,68
date 2010 – 2013

TRANSPORTATION
project Light Rail Transit System Project in Dohuk
description Preliminary and Detailed Design
location Kurdistan, Iraq
client FG TECNOPOLO HOLDING S.p.A. on behalf of Kurdistan Regional Government
amount of works € 906.557.338,69
date 2010 – 2013



FLOOD RISK MANAGEMENT

project Pumping Station on the Canal Grande Stream

description Final design

location Ameglia, Liguria, Italy

client Government of the La Spezia Province, Italy

amount of works € 3.867.087,76

date 2011 – 2011

FLOOD RISK MANAGEMENT

project Magra River Embankments

description Preliminary, Detail and Final design

location Sarzana, Arcola, Ameglia, Liguria, Italy

client Government of the La Spezia Province, Italy

amount of works € 11.518.990,17

date 2013 – 2013

FLOOD RISK MANAGEMENT

project Entella River Embankments

description Final design

location Chiavari, Lavagna, Liguria, Italy

client Government of the Genoa Province, Italy

amount of works € 6.500.000,00

date 2009 – 2013



PORTS AND WATERFRONTS

project Urban renewal of the Porto Recanati waterfront with a new marina

description preliminary design

location Porto Recanati, Marche, Italy

client N.V. BESIX S.A. (Belgium), Donati Group (Italy)

amount of works € 10.775.823,09

date 2012 – 2013

FLOOD RISK MANAGEMENT

project Works for flood risk management of Cabella Ligure

description preliminary detail and final design, works supervision

location Cabella Ligure, Piedmont Region, Italy

client Municipality of Cabella Ligure (Italy)

amount of works € 2.300.000,00

date 2003 – 2007