

Dr. Eng. ELIO CIRALLI

STUDIO DI INGEGNERIA CIVILE E COSTIERA
CIVIL AND COASTAL ENGINEERING OFFICE

CV - RESUME



Elio Ciralli, Dr. Eng., PE

Born in Palermo, Italy, 5th November 1961. Nationality Italian.

Italian fiscal code: CRL LEI 61S05 G273Q – VAT #: IT03787220825

Current Position:

- Civil & Coastal Engineering Office – Professional Engineer Consultant (www.cirallistudio.com)
- Envitek™ - Progetti e Opere srl – Consulting Engineering Company - Chief Executive Officer (www.progettieopere.com – www.envitek.it)

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Professional Practice

Consulting, planning, BIM design (Building Information Modeling), project management, supervision of works, test of works, feasibility studies, environmental impact assessment studies for civil and coastal engineering projects.

Languages spoken

Italian, English (G.B./U.S.A./Int.), Spanish

Professional Public Liability Insurance:

AXA ASSICURAZIONI S.p.A. - Policy n. 505941 – limit of liability € 2.500.000,00

Management System of the office:

Certification of Compliance to the Standard UNI EN ISO 9001-2015

Progetti e Opere srl certificate, ACCREDIA n. 9175.PROG - www.accredia.it).

Certification Body: IMQ, Istituto del Marchio di Qualità, Italy www.imq.it

Education

1988 Corso per Ufficiale di Complemento del Corpo delle Capitanerie di Porto – Guardia Costiera - Accademia Navale di Livorno

1987 Degree (MSc, MEng) of Doctor in Civil Hydraulic Engineering:

Università degli Studi di Palermo. Date: 16th July 1987.

Final Dissertation on Coastal Constructions: "Environmental Impacts Assessment of Ports: Porto di Riposto (CT)".

Final Valuation: 110/110 cum laude.

1980 Diploma di Maturità Scientifica: Liceo Stanislao Cannizzaro, Palermo (56/60)

Professional Registration

Qualification test to practice the engineer profession: January 1988

Registered at "Albo degli Ingegneri della Provincia di Palermo": from 22nd February 1988, n. 4206.

Activities in International and National Professional Associations:

- AGUARCOST, Rome, <http://www.aguarcost.it> – Italian Coast Guard Reserve Officers Association, Chief of the Technical Section – from 2014
- PIANC, Bruxelles, Belgium <http://www.pianc.org> – Executive Commission (ExCom), Member – from 2009 to 2017
- PIANC, Bruxelles, Belgium <http://www.pianc.org> – Recreational Navigation Commission (RecCom), Chairman – from 2009 to 2017
- PIANC, Bruxelles, Belgium <http://www.pianc.org> – Nominated Secretary of the “Recreational Navigation Commission (RecCom)” – 2005-2009
- PIANC International Committee for the Marina Excellence Design Jack Nichol Award (MEDA) – from 2006 to 2017
- PIANC Italy, High Council of Public Works, Ministry of Infrastructures and Transports, Rome, Italy <http://www.pianc.org> – Member of the Directorate – from 2006 to 2017
- Associazione di Ingegneria Offshore e Marina (A.I.O.M.), Milano <http://www.aiom.info> – President, from 2007
- Istituto Nazionale della Portualità Turistica INPuT, at Politecnico di Milano, <http://www.inputitalia.it> - Elected Member of the Executive Committee and of the Directorate – from 2002, not more existing

Participation to international professional formative program

He participated as director, teacher, trainer at several seminars and courses at international and national level, between these:

- Republic of South Korea, Ministry of Ocean and Fisheries “International seminar to improve competitiveness for modern marina design”, Ansan City, 14 luglio 2016 – Invited Key note speaker
- PIANC Marina Designer Training Program Course In Buenos Aires, Argentina, 2015 – Director and trainer of the course
- PIANC Marina Designer Training Program Course In San Francisco, USA, 2014 – Director and trainer of the course
- PIANC Marina Designer Training Program Course In Rome, Italy, 2013 – Director and trainer of the course

Founder and Director of the PIANC Marina Designer Training Program – MDTP (www.pianc.org) – from 2012 to 2017.

Other Registrations:

- Qualified Registered Expert “Coordinator for safety and health matters at the project preparations stage and at the project execution stage” in compliance with European Union Council Directive 92/57/EEC of 24 June 1992 on the implementation of minimum safety and health requirements at temporary or mobile construction yards – Italian law 81/2008;
- Qualified Registered Expert Structural Tester at “Ordine degli Ingegneri della Provincia di Palermo”;
- Qualified Registered Expert by the Italian Ministry of Industry and Commerce for expert testers of electrical, mechanical and hydraulic plants (l. Law 37/2008);
- Qualified Registered Expert in Acoustic Engineering (l.Law 447/1995);
- Qualified Registered Expert Fire Engineer (l. Law 818/1984 as modified by Decree 05/08/2011)
- Qualified Registered Expert for Energy Efficiency of Buildings by D.D.G. 03/03/2011 n. 11624
- Qualified diver PADI n. 93028010 "Advanced Open Water Diver";
- Registered at General List of Qualified Engineers of Sicilian Region, n. 1408 (List 30/06/2017)
- Registered as Qualified Professional Engineer at the list of several governative bodies
- License of Navigation for "Super and Mega Yachts" (more than 24m L.O.A.), n. 254, issued 06/02/89 by “Capitaneria di Porto di Roma”.

Other Education and Training

- BIM Manager, ACCA, 2023-2024
- Continuous formative program for engineers, in respect of Italian and EU law
- Postgraduate Course “Breakwaters: design, construction and rehabilitation” H.F. Burcharth, S. Takahashi. J. Melby - CORILA Palazzo Franchetti, Venezia, 2007
- Postgraduate Course: “Company Management (ex art. 10 D.Lgs. 626/94)” – Palermo, 2003
- Postgraduate Course: “Safety and health matters in construction sites (ex art. 19, c.2 D.Lgs. 494/96)”, 1998
- Postgraduate Course: “Marina Planning and Design” – D.I.S.E.T. – Politecnico di Milano, 2000
- Postgraduate Course: “Analysis Methods and Structural Strengthening for Masonry Construction”- Sintesi, program COMETT – Palermo, 1993.
- Several other courses, seminars and congresses on these matters:
 - Coastal Engineering
 - Ports Construction

- Hydraulic Engineering and Soil Conservation
- Electrical and Mechanical Plants Safety (L.N. 46/90)
- Fire Prevention and Safety (D.P.R. 577 29/07/82)
- Thermal Plants and Energy Saving (L.N. 10/91)
- Safety in work places (DD. LLgs. 626/94, 242/96, 494/96 and 81/08)

Activities in Institutional Committees

- Italian High Council of Public Works, Italian Ministry of Infrastructures, II Section (hydraulics, maritime and hydraulic works and energy) – Expert invited ex art. 6 D.P.R. 204/2006 – from 2007.
- Presidenza del Consiglio dei Ministri, “Emergency Situation Solving Committee for ports and harbors system and water procurement for Pantelleria Island (TP)” O.P.C.M. n. 3589 15/05/2007 – member of the Committee, nominated from Italian President of the Council of Ministers by Decree 23/10/2007.
- Member of the "Maritime Commission" at the Consiglio Nazionale degli Ingegneri (CNI) for the themes of "Maritime Strategic Planning" – from 2009.
- Contributor to preparation of “Strategic Plan for Development of Recreational Navigation Infrastructures System in Sicily”, issued with D.A. n. 69 in 26/05/2006
- Regione Siciliana, member in numerous committees for planning the E.U. investments in transportation system, ports and harbours.

Professional Positions:

1991	Professional Engineer Consultant (current)
1991	PROGETTI E OPERE srl – Envitek™, Consulting and Contracting Engineering Company, Palermo: Chief Executive Officer (current) and Chief of the Technical Directors
1989	COSIAC SpA, General Construction Company, Rome: - “Laura Dam on Mendola River”, Campobello di Licata (AG), Lit. 42.000.000.000: General Manager Assistant - “Caltagirone (CT), Principal Sewage System”, Caltagirone (CT), Lit. 11.000.000.000: General Manager
1988	Italian Coast Guard, Reserve Officer Lieutenant, assigned to Ministry of Transportation, Rome, duty in preparing “General Master Plan for Italian Sea and Coasts Defence”.
1986	SIGMA srl, Coastal Engineering Consultants, Palermo: Engineer.

Main Professional Appointments:

More than one hundred of professional appointments, both as professional engineer and as technical director of Envitek – Progetti e Opere srl.

Between more recent ones:

- Hydraulic tunnel for protecting Genoa against flooding from Bisagno River, Budgeted works: 165 M€
- Masterplan of Marina di Carrara Port, planned works for 500 M€.
- Hydraulic tunnel and shafts for rain drainage of the South East part of the town of Palermo, Budgeted works: 26 M€.
- Porto Vecchio di Sanremo, Budgeted works: 60 M€
- Marina di Isola Sacra, Fiumicino, Roma, Budgeted works: 440 M€.

Design and other Awards:

- International design contest “BAT – Il Mare Grande parco Pubblico” – Progetti e Opere srl (group leader) – First awarded – June 2018
- Targa AIOM – AIOM Plaque – to distinguished professionals and engineering firms in OffShore and Marine Engineering, 2018 (<https://www.aiom.info/targhe/>)
- Autorità Portuale di Palermo – International Tender for the Waterfront Arrangement for the Port of Palermo General Master Plan – Working Group: Ing. E. Ciralli, Arch. S. Monaco, Ing. P. Viola – Third awarded - February 2004
- Comune di Sestri Levante (GE) – International Tender on Reorganization of the Port Area in Sestri Levante (GE) – Working Group: Ing. P. Viola, Ing. F. Grimaldi, Arch. F. Oliva, Ing. E. Ciralli – Project n. 3140628 – Third awarded – June 2001

Publications:

- "Damage progression of a rubble mound breakwater with Accropodes II and Accroberm I armour units using imagebased approaches", E. Leone, A. Brancasi, A. Francone, A. Lauria, A. Paglialunga, E. Ciralli, L. Tallo, A. Viviano, G. R. Tomasicchio, in acta SCACR 2023
- RecCom WG149 Technical Report "Guidelines for Marina Design" Part IV, PIANC Bruxelles, 2017 - Chairman of the WG
- RecCom WG147 Technical Report "Guidelines for Management of Recreational Navigation Activities within Fishing and Commercial Ports", PIANC Bruxelles, 2017 - Chairman of the WG
- RecCom WG149 Technical Report "Guidelines for Marina Design" Part I and Part II, PIANC Bruxelles, 2016 - Chairman of the WG
- "Development and Rehabilitation of Waterfronts in Internal Waters", in Acta of the Smart Rivers 2015 Congress, Buenos Aires
- "Recreational Navigation Infrastructures as Opportunities for Urban Waterfronts and Environmental Restoration", in acta of PIANC World Congress 2014, San Francisco USA
- "Catalogue of Prefabricated Marina Elements", PIANC RecCom WG 131 - Chairman of the WG
- "Dry Stack Storage", PIANC Report n. 132/2013, contributor member;
- "Planning and design of ports in very sensitive areas: case studies" in "4th National AIPCN-PIANC Congress, Infrastructure, logistics and sustainability-2nd PIANC Mediterranean Days of Coastal and Port Engineering – Acts".
- "Nearshore circulation at a coastal defence system in Sicily. Physical and numerical experiments", M. Calabrese, P. Di Pace, M. Buccino, E. Ciralli, in acta "11th International Coastal Symposium – Szczecin (Poland), 09-14 maggio 2011", also published on Journal of Coastal Research, Special Issue 64, 2011
- "Model tests on a coastal defence design at Bagheria", G.R. Tomasicchio, M. Calabrese, P. Di Pace, M. Buccino, E. Ciralli, in acta "XXXII Convegno Nazionale di Idraulica e Costruzioni Idrauliche – Palermo, 14-17 settembre 2010"
- "The Use of Alternative Materials in Marine Structure Construction", PIANC Report n. 105/2009
- "Situation of recreational navigation infrastructures in Sicily comparing the Mediterranean Context" – "1st PIANC Mediterranean Days of Ports and Coastal Engineering, Palermo 7-9 Oct. 2008 – Acts"
- "Bollettino AIOM", several issues, Associazione di Ingegneria Off-Shore e Marittima, editorials from President and various technical articles
- "Compatibility and Sustainability of Marina Planning and Design" in "7th PIANC-COPEDEC International Conference on Coastal and Port Engineering in Developing Countries, Dubai AEU" acta of the Congress
- "Aspetti di Sostenibilita' e Compatibilita' connessi allo Sviluppo della Nautica da Diporto in Sicilia" in "Atti delle Giornate Italiane di Ingegneria Costiera, VIII ed., Civitavecchia, 23/25 novembre 2005"
- International Navigation Association PIANC-AIPCN, Bruxelles, Belgium <http://www.pianc-aipcn.org> - International Working Group RecCom WG15 "The Use of Alternative Materials in Marina Construction" – started in 2002
- "Rilievi Morfo-Batimetrici in Acque Basse con l'Applicazione di Tecnologie Sonar Multibeam", ing. Elio Ciralli – Bollettino AIOM, n. 30 ottobre 2004
- "Development of Recreational Navigation Facilities in Italy", Edoardo Almagià, Elio Ciralli, Marcello Conti, Antonio Di Monte, Paolo Viola, Angelo Zerilli, in "30th PIANC NAVIGATION CONGRESS - Sydney, 22-26 September 2002 – Acts"
- "Il Progetto Urbano di Menfi, Recupero del territorio e riqualificazione della Città", F. Bonanno, with introduction of V. Gregotti, Chapter "La Costa: il Piano Regolatore del Porto di Porto Palo", ing. E. Ciralli – Stampart 95, 1998

Speaker in Congresses, Seminars, Workshops**Participation in Scientific and or Organizing Committee of International and National Congresses, Seminars, Workshops**

Ing. Elio Ciralli