

MARCO PANZANO

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STRUCTURAL ENGINEER | TECHNICAL LEADER | PROJECT MANAGER

Chartered engineer with extensive experience in various aspects of structural design, project management and team leadership for large projects worldwide. Excellent score on delivering value engineering consultancy throughout refined and innovative technical solutions.

- Structural Engineering
- Technical Leadership
- Project Management
- Team Leadership
- Value Engineering
- Software Development

PROFESSIONAL EXPERIENCE

CRESCO ENGINEERS NEW ZEALAND LTD, Christchurch | www.cresco.co.nz

Co-Founder | Technical leader

March 2013
to Present

- Developed a software to calculate beam on mound according to AS 2870, NZS 3604, NZS 3101
- Developed structural design for foundations on expansive clays and liquefiable soils

CRESCO GENOVA STUDIO ASSOCIATO, Genoa | www.cresco-group.com

Co-Founder | Technical leader

November 2007
to Present

- Generated certified 5.3M USD savings providing value engineering ([performance certificates](#))
- Led and managed a team of 50 people
- Directed professional consultancy services for projects in several fields and industries: Energy - Nuclear ([AP1000 Nuclear Power plant](#): Design of steel structures inside containment; Non-linear thermal analysis under accidental load conditions; Lifting design of steel structure of roof; RC design of containment roof)
- Energy - Nuclear ([Embalse Power Plant](#): Design of Emergency Diesel RC basements; Design of Fuel Tank Basins)
- Energy – Conventional (Hydropower plants: [Debbia Hydropower Plant](#), Steam and Gas turbines Foundation designs: Kwale Okpai Power Plant - Nigeria, El Gaili Gas Power Plant Sudan, Termoli Combined Cycle Power Plant - Italy, Petkim Power Plant - Turkey, Aluar - Argentina, Sohar CCGT - Oman, Kwinana CCGT – Australia, Macchiareddu Power Plant – Italy, OROT RABIN CCGP, Israel)
- Industrial ([OARC Oman Aluminium Rolling Mill](#): Design of foundations and steel structures for the main building and for all industrial equipment (Casters, Furnaces, Hot Rolling Mill, Cold Rolling Mill, Slitter, water basins, Water treatments plant)
- Industrial ([Duferco Quenching and Tempering Plant](#): Design of foundations and steel structures for all industrial equipment (Tempering and Austenitizing Furnaces, Leveller, Water treatments plant, Emergency Diesel foundation, Cranes foundations), Duferco Engineering: Steel structures design and foundation design for several plants and warehouses (La Louviere, Clabecq, Fredriksvaersk, Verona Steel), ENI Saipem: Steel structures design for Pipe Racks at SHAH Gas plant, General Electric W&P SET division: Steel structures design for Caustic Soda Evaporation Unit, Nijni Novgorod), Paul Wurth Italia: Steel structure design for charging machines runway beams, RC design of coke

ovens, Taranto New Travel-Vent-Line, Steel structures for conveyor system (Isdemir, Turkey) Tenova: Steel structure design for pickling lines, furnaces, stripping lines (Bay City USA, Monterrey Mexico, SSSC Vietnam, Pesqueria Mexico, Arcelor Mittal St Chely, Ternium Mexico, Wuhan China, Novolipetsk Russia, Thissenkrup Terni, Eisenhuettenstadt Germany, Ameh Iran, Mobarakeh Iran), Ferretti International: Foundation design for Arvedi ESP Mill, Arinox Cold Rolling Mill, Arvedi Continuous casting, Arinox Slitters, Arvedi Water treatment plant)

- Commercial (Cometal / Bateg: [Aeroville Shopping Mall Paris](#): Design of steel structures 4000 t, Simeon Carpenterie: [Halle Freyssinet Paris](#): Design of steel inside of an existing building 800 t

ESTPROGETTI, Genoa (Cresco Genova Studio Associato from November 2007)
Co-Founder / Technical Leader

August 2002
November 2007

- Reached one-million-euro turnover in five years from the start-up launch
- Developed tools to monitor and analyse metrics and company KPIs
- Directed professional consultancy services for industrial projects: Arvedi Steel Mill Cremona, Duferco Danish Steel, Duferco Warehouses, Infrastructure and Equipment Foundations at La Louviere and Clabecq

STI Studio Tecnico di Ingegneria, Italy
Structural Engineer

September 2000
August 2002

- Civil works and steel structures designer for Industrial Project

EDUCATION

MASTER DEGREE ON STRUCTURAL ENGINEERING (*GPA 110/110*)

Università degli Studi di Genova | École Spéciale des Travaux Publics, du Bâtiment et de l'Industrie (Paris)

PROFESSIONAL DEVELOPMENT

Leadership, Quality, Project Management, Project Financing

PROFESSIONAL AFFILIATIONS

CHARTERED PROFESSIONAL ENGINEER N. 7793A | Ordine degli Ingegneri della Provincia di Genova

LANGUAGE SKILLS

ITALIAN: Native Speaker

ENGLISH: good command / good working knowledge

FRENCH: good command / good working knowledge