

POSIZIONE: **STRUCTURAL CIVIL & INDUSTRIAL ENGINEER**

FAMILY NAME: Consoli
NAME: Domenico
DATE OF BIRTH: 28/12/1976
NATIONALITY: Italian
TITLE Master Degree in Aerospace Engineering - Major: Space structures (21/07/2002 Politecnico di Torino)

CERTIFICATES: Professional practice examination: Engineering License (Albo Vibo Valentia 557A).
Safety coordinator for execution and design activities and **firefighting** structural designer. (Iscritto al ministero degli interni)

LANGUAGES:

Language	Reading	Speaking	Writing
ITALIAN	MOTHER LANGUAGE		
ENGLISH	ADVANCED	ADVANCED	ADVANCED

SUMMARY

15+ year experience as structural engineer in oil & gas. Main activities: coordination, organization, planning of activities in contact with engineering and materials suppliers for steel structures.
My main activity is the management of engineering suppliers and the search for technical solutions for problem solving, aiming at maximizing results with minimal costs and time to ensure client satisfaction.

I personally manage about 250 structural projects all over the world and I have designed and dimensioned 150 structures for petrochemical and gas plants.

COMPUTER SKILLS:

MS Office
Advanced knowledge of finite element analysis softwares (SolidWork, Ansys).
Advanced knowledge of design softwares (Autocad, **StaadPro***, FataE Stacec, Tekla. Foundation, Math 3D, Dyna, Matlab, JASP, Intergraph Caesar II B31.3) **(*)** Programma strutturale ufficiale ENI Progetti Vibo col quale sono state calcolate le strutture della raffineria di Gela.

Curriculum Vitae

PROFESSIONAL EXPERIENCE:

FREE LANCER

2019

Design Structural Engineer

- Structural calculation for a BASEFRAME AND SUPPORTS 48N314/9901 FOR ITEM LR-7120. Customer 4FORAIN, Milano, Italy
- Structural calculation for a BASEFRAME AND SUPPORTS 48N314/9901 FOR ITEM LR-7220. Customer 4FORAIN, Milano, Italy
- Structural calculation for FUEL GAS PACKAGE 50-AQ-60300. Customer METALSUD di LO GATTO, Vibo Valentia, Italy
- Stress analysis piping 16" A 106 Gr. B for fuel gas package.
- Structural calculation for GENERAL ARRANGEMENT: MS5001 WALKWAYS & LADDERS. Customer METALSUD di LO GATTO, Vibo Valentia, Italy
- Stress analysis tubazione 10" for FUEL GAS PACKAGE.
- Collaudo statico in corso d'opera di una struttura in C.A. San Costantino Calabro (VV)

ISS PER ENI PROGETTI SPA

2017 - 2018

Design Structural Engineer

Executive Design of metal structures.
Structural design of direct and deep foundations.
Structural calculation and dynamic analysis, validation of design projects.
FEM analysis of structural nodes and complex structural parts.
3D design of supports for horizontal vessels.
Drawing of steel structures (General Arrangement)
Thermal calculation of fire-risk structures (e.g. pipe racks fire proofing)
(Raffineria di Gela)

Curriculum Vitae

FREE LANCER

2015 - 2017

Design Engineer

I was involved as external counselor in the design the bar/bistrot couch for the company MULTIRAIL in the following:

- High speed train ETR610 for Polish Railways (PKP) in collaboration with ALSTOM FERROVIARIA s.p.a.
- High speed train ETR1000 in collaboration with ANSALDOBREDA s.p.a.
- Restyling of the train ETR500 in collaboration with TRENITALIA s.p.a.
- High speed train TALGO (for Emirates)

Theoretical development and construction of a prototype of wind rotor (1:2 scale for experimental validation)

2016: Development of devices to mitigate seismic risk for the company DEMTECH (unique patent) and management of the structural validation on scale models at Politecnico di Torino.

2016: Design and calculation of 4 air cooler structures (Station NATURAL STORAGE GAS PLANT, Cornegliano Laudense, LODI).

2016: Design and calculation of air cooler structures
Final client: GE Nuovo Pignone, for the Company PES-Engineering Rosignano Solvey, Minerbio gas implant.

2016: Mechanical and structural calculation external chassis- heat exchangers. Final client: TECNIMONT.

2016: Evaluation of energetic performance of buildings and complete design of reinforced concrete structures

Curriculum Vitae

GE OIL & GAS NUOVO PIGNONE

2007 - 2015

Design Engineer

Vibo Valentia - VV, Company Leader in the design and realization of air coolers.

2015: Design and structural calculations for air cooler.

Final Client: GE Nuovo Pignone

2015: Development of wind generator

2015: Evaluation of the energetic performance of buildings.

2014-2015: Design of structures (30 skid); EXXON plant, USA. Final client: Linde.

2015: Structural calculation of a coke chamber. Algeria Plant

2014: Structural calculations and structural junctions for filtered chambers. Final client: Nuovo Pignone Firenze.

2014: Design and calculation of gas plant STOGIT-SAIPEM, Minerbio (BO).

2013: Design of steel structures for the plant STOGIT ENI, Bordolano (CR).

2013: Details for steel structures operating at low temperature (-60°C) (Russia).

2013: Design of steel structures for the plant SNAM RETE GAS, Minerbio (BO).

2013: Design of water and waste tanks for high speed train ETR1000. Final client ALSTOM.

2012: Design of structural parts of the bar/bistrot couch of the high speed train ETR 610. Final client ALSTOM.

2012: Direction of public works (Comune San Costantino Calabro, VV).

2011: Design of structures: LUBE OIL COOLER - GAS LIFT ABU DHABI.

2011: Design of structures: Lube & Working Oil Cooler Petroleum Development Oman L.L.C.

2011: Design of structures: GAS TURBINE GENERATOR QUEENSLAND CURTIS LNG PROJECT

2011: Design of structures: GAS COMPRESSION TOTAL E&P U.K.

2011: Design of structures: COMPRESSION STATION BAUMGARTEN AND RUDEN

2011: Design of structures: ABU DHABI GAS INDUSTRIES LTD

2011: Design of structures: Mineral Lube Oil Cooler KUWAIT OIL COMPANY

2010: Design of structures: GAS COOLER - PROCESS LINE BEYNES – FRANCE

2010: Design of structures: NEW ACID GAS RECOVERY PLANT DUKHAN – QATAR

2010: Design of structures: LUBE OIL COOLER C3 TRAIN MITSUBISHI - PERTAMINA (INDONESIA)

2010: Design of structures: CENTRALE STOCCAGGIO COLLALTO - EDISON S.p.A.

Curriculum Vitae

2010: Design of structures: Lube Oil Cooler Stoccaggi Gas Italia S.p.A. Sabbioncello (FE)
2010: Design of gas cooling structures Settala (MI)
2010: Design of structures HP Train - Lube Oil Cooler QATAR GAS OPERATING COMPANY LIMITED
2010: Design of structures: Power Plant Kaduna-North West Nigeria
2009: Design of a residential complex
2009: Designed of a mixed steel/reinforced concrete structure (100.000 euro)
2009: Design of gas cooling structures Busalla refinery (Genova). Customer: KTI TECHNIP. Service: pump around air cooler. Draft type: Forced. Structural mount.: Pipe Rack.
2009: Design of gas cooling structures for a refinery. Customer: KARAN GAS KURSANIYAH. Arabia Saudita.
2009: Structural calculation and report filing of a support structure of heat exchangers (steel structure calculation in operation condition of one bay of Air Cooler, Cartagena Refinery, Spain), (steel structure calculation in operation condition; four bays of Air Cooler, service stripped overhead steam condenser. Spagna)
2009: Structural calculation and report filing of a support structure of heat exchangers for a gas stocking section; Northern Italy.
2009: Structural calculations of an air cooler. Uzbekistan. ACCORDING TO UBC 97
2009: Structural calculations of an air cooler. USA. ACCORDING TO UBC 97.
2009: Structural calculations of an air cooler. ANGOLA. ACCORDING TO UBC 97.
2009: Structural calculations of an air cooler.; for THERMODYN. KUWAIT OIL COMPANY (K.S.C.)
2009: Structural calculations of an air cooler. SNAM; STAZIONE DI COMPRESSIONE ENNA TC3 – ITALY.
2008: Structural calculation of an air cooler for a refinery (Spain).

Curriculum Vitae

PRIVATE PRACTICE

2002 - 2007

Design Engineer

Vibo Valentia – VV.

2007: Structural calculation of an electric plant (Germaneto; Catanzaro; Italia)

2006: Teacher of mechanics and CAD design (Regional module, Vibo Valentia)

2006: Design of a steel structure for production activity

2006: Design and structural calculation of a reinforced concrete structure-.

2005: Collaboration with an engineering private firm (Eng. Vincenzo Cupi, Vibo Valentia).

2005: Teacher at the private Institute Pitagora (Vibo Valentia)

2005: Quantity Survey Engineer in the Gas Pipeline Industry, Alexandroupolis (Evros, Grecia), GHIZZONI SPA.

2004: Research Fellow Politecnico di Torino (DIASP)-methods for evaluation of structural damage on composites.

2003: CAD designer in a production company of aluminum fixtures.

2002: Internship at ITERA (Innovazione Tecnologica e Ricerca Applicata) - modeling of a centrifugal pump for aerospace application.

Web site www.consoliengineering.com

Mail cnsdnc@yahoo.it

Mail domenico.consoli@consoliengineering.com