

**Surname:** Villa

**Name:** Alberto

**Nationality:** Italian

**Education:** University Degree in Civil Engineering with structural address at Polytechnic of Milan, 1998. Member of the Engineers List of Engineer Order of Milan

**Languages:** Italian: mother tongue  
English: good

**Contract Type:** Owner

**Professional profile:** Senior Civil Engineer responsible for calculation and design of civil, industrial and offshore structures in steel, in normal reinforcement concrete, in masonry and wood and for the preparation of metric estimations.  
**Structural engineering:** The principal activity consist of the structural design with particular concern for problems regarding the stress analysis (static, seismic, dynamic and blast) (XFINEST, SAP2000, GTSTRUDL, SACS), design reinforcement concrete, offshore structures and steel structures. Foundation calculation (including pile and retaining structures).  
Several work experiences carried out in collaboration with various large scale engineering society (SNAMPROGETTI, SAIPEM, TECNOMARE, TECHINT, MAIRE-ENGINEERING, FOSTER WHELEER) in quality external designer.  
**Civil engineering:** various work experiences and smaller projects dealing with in design, supervision and inspection assistance of civil buildings including houses, bridge and rail bridge.

Following the most important experiences in collaboration with DCRPROGETTI:

2022	WOOD - FOSTER WHEELER	Planning and design of pile foundations and steel connections of structures of a chemical plant of "Solvay Group" located in Tavaux (France).
2022	ARCADIS	Planning, design, 3D modelling Revit and draw of a production building, an equipment building, a logistics warehouse and a self-supporting warehouse of the new Araymond headquarters in Vercelli, built with precast reinforced concrete structures, wood roof and pile foundations.

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2022	WOOD - FOSTER WHEELER	Planning, design, 3D modelling Tekla and draw of a steel structure with micropiles foundations of petrochemical complex of INFINEUM and LYONDELLBASELL FRANCE for IDEAL 3.1 PROJECT planned for the addition of two centrifuges package. - Berre L'Etang - France.
2022	WOOD - FOSTER WHEELER	Planning, design and drawing of reinforced concrete walls (height 24 m) and steel structures wind walls (height 40 m) for a complex of a Copper Concentration Plant-3 of a new mining concentrator - Almalyk, Republic of Uzbekistan.
2022	FLSMIDTH	Revamping and checks of a existing steel structure (Sylvanite Building) in the industrial plant of "Arab Potash Company LTD" located in Jordan.
2022	STED - SIIRTEC NIGI	Planning, design, 3D modelling Tekla and draw of steel structures and service platforms for Shale Oil ENEFIT Condensate Unit 280-2 - Narva - Estonia.
2022	SCS INGEGNERIA	Validation of the project for solar tracker steel frames - ENI
2022	SCS INGEGNERIA	Validation of the project for steel frames for photovoltaic panels - Porto Marghera
2022	CTP TEAM S.R.L.	Detailed design of a steel structure for heat-exchange support, of revampig of two new bag filters, including reinforcements of the reinforced concrete support structures and ducts or the cement factory - Bishah - Saudi Arabia. In-service and lifting analysis.
2020-21	ARKETIPOPROGETTI	Design of reinforced concrete structure with relevant foundations with blast load of Oil Treatment Plant OIL&GAS of Berri - ARAMCO - SAUDI ARABIA - Substation BLDG, PIB, Control Room, Maintenance BLDG and Utilities BLDG..
2019	ARKETIPOPROGETTI	Structural design of eight reinforced concrete building for Refinery THAI OIL Clean Fuel project – Shiracha – Thailandia.
2019	FOSTER WHEELER	Design of revamping of an existing steel structure and relevant foundations - Trecate – Italy – Height increse 26 m. to 45 m.
2019	ARKETIPOPROGETTI	Basic design of two reinforced concrete building (Administration BLDG and Control Room) and steel structures Warehouse with relevant pile foundations for Ca Voi Xanh Project -ExxonMobil - Vietnam - XSIGHT
2018	ARCADIS	Definitive and executive structural design of the towers building and Open Circle - ZAMBON Open Zone redevelopment project in Bresso (MI)
2018	TERMOMECCANICA ECOLOGIA	Structural engineering activity for HRSG Takreer Abu Dhabi boiler
2018	4 8 SOLUZIONI	Structural design, planning supervision of residential buildings and small villas (houses) in Garbagnate Milanese
2018	METALVETRO	Richard Mille Engineering carved glass Structural checks

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2017/18	ARKE TIPO PROGETTI	Structural design of four reinforced concrete buildings – CEC Power Generation Plant - Congo - SAIPEM
2017/18	ARKE TIPO PROGETTI	Structural design of steel structure MTB and reinforced concrete MCC buildings – RABIGH II Refining and Petrochemical Project - Saudi Arabia - SAIPEM
2017/18	PENSOTTI BOILERS	Engineering activities for structural design and structures' drawing of HRSG boilers - TME Takreer Abu Dhabi
2017/18	BOHLER UDDEHOLM	Steel structure design for supporting 4 bridge cranes
2016/18	GICO TECNICA	Planning, check, design, drawing of pipe rack, structures and shelter - Petronas Rapid Polypropylene Plant Project -Malaysia
2016	DEMONT	Structural dimensioning package chimney/stack – steam generator Marghera
2016	BEDESCHI	Structural design of support structures. Tapes and towers for the project of the dry-bulk terminal handling system - Turkmenbashi International Seaport - lot5 – Turkmenistan
2016	DEMONT	Exhaust gas chimney/stack design
2015/2016	SAIPEM	Steel pipe rack design and relevant foundations for GOSP (oil/gas) plant revamping ARAMCO – Khurais – Arabia Saudita
2015/16	FOSTER WHEELER	Support structure design coke drum - Pemex
2015/16	SOGEMI	Design and check of a Provisional structure for supporting the fencing masonry – meats market area
2014/16	GICO TECNICA	Planning, check, design, drawing of steel structures pipe rack and shelter of ARAMCO Refinery (Jazan – Saudi Arabian)
2015	FOSTER WHEELER	Structural Design for Turbine's Foundation - ExxonMobil
2014/15	SAIPEM	Design for Grainy Transportation's Ducts -Dangote Fertilizer Project
2014/15	SAIPEM	Engineering activity relevant to steel structures' foundations and equipment for granulation area - Dangote Fertilizer Project - Nigeria
2014	SAIPEM	Design and check of steel structures and foundations – New plant EP(D)M-GP27 – ENI VERSALIS - Ferrara
2013	REDECAM	Design and check of steel support structures and foundations bag filter - Sour El Ghoulane, Algeria
2012/14	GESCO	Structural analysis of steel structure for ENEL nuclear power plant in Mockovce

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2014	GESCO	Structural and blast analysis of steel structure for boiler support and stack for oil-gas in Tempa Rossa
2013	TECNOMARE	Technical Evaluation (Civil & Structural Discipline) power generation and shipyard for ENI/AGIP Karachaganak
2013	TECNOMARE	Technical Evaluation (Civil & Structural Discipline) of 6 Degassistations and power generation/transmission in Zubair – Iraq
2011/12	TECNOMARE	Technical Evaluation (Civil & Structural Discipline) of Degassistations Permanent, Power Plant and High Voltage Distribution Network and (Zubair Oil Field Development Project- Iraq)
2011	MWH	Design and structural analysis of subway reinforced concrete basins for BreBeMI highway.
2011	TECNOMARE	Technical Evaluation (Civil & Structural Discipline) of Logistics Support Base for Drilling and Production Operations Tender (Zubair Oil Field Development Project - Iraq)
2010	PETROFAC	Upgrade of concrete pipe rack in Khursaniyah (Saudi Arabia) gas oil separation plant
2010	REDECAM	Design of the new bag filter in Edelnor power plant (Chile)
2009	ALSTOM POWER	Design of ducts and steel supporting structure in steel-plant ILVA
2009	FOSTER WHEELER	Dynamical analysis of concrete structure supporting Coke Drum
2009	ALSTOM POWER	Structural design of special foundation in Sines Coal Power Plant
2009	SAIPEM	Structural design and calculation of an offshore module for OLT (Offshore LNG). Analysis of different phases of construction: lifting procedure, transportation procedure, load out phases
2008	SAIPEM	Offshore design of steel platforms called Thekah 2 and Thekah North in the Mediterranean Sea (Egypt) during various phases of construction: transport, lifting, positioning and on-bottom analysis
2008	LITWIN	Structural design including blast analysis of concrete building and relevant foundations, for Ma'aden Phosphate Project - Phosphoric Acid Plant (Ras Az Zawr – Saudi Arabia)
2008	TECNIMONT	Stress analysis, modal and spectrum analysis, of steel structure building and relevant foundations, FGD Auxiliary Building – New Coal Power Plant (Bocamina – Chile) with the check of all members and connections with L.R.F.D., A.C.I. and “Norma Chilena Official” code
2007/08	SNAMPROGETTI	Equipments reinforced concrete foundation and reinforced concrete Sea Water Intake of BANDAR ABBAS Gas Condensate Refinery IRAN
2007	SNAMPROGETTI	Steel and concrete structures – KHURAI – SAUDI ARAMCO

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2005/07	SNAMPROGETTI	Steel and concrete structures and equipment foundation – KHURSANYIAH – SAUDI ARAMCO
2005	ESEDRA	Railway bridge on Villoresi river – steel structure
2005	FOSTER WHELEER	Seismic consultant and design of Lomellina II power plant
2005	PACCANI S.P.A.	Bridge on Riso river
2005	ISMES	Retaining structure in Aci Castello
2005	ISMES	Preliminary structural project for modify boiler in Porto Tolle power plant
2005	VOEST ALPINE	Dedusting system in steelmaker plant – BES – Germany
2004/05	SAIPEM	Revamping of 17 wellhead platforms (NIGERIA) Design is to risers supports, riser guards and access platforms. The design include the In-service, Lift, Transportation, Load-out and Deterministic Fatigue analyses.
2004	CITY OF MILANO	Vibration analisys of S.Siro stadium in Milano
2004	VOEST ALPINE	Dedusting system in steelmaker plant Carinox – Ispat Karmet – Zapsib
2004	FOSTER WHEELER	Steel structure in chemical plant– Aspropyrgos – Greece
2003	VOEST ALPINE	Dedusting system in steelmaker plant – Sidmar-Kosice
2003	TECHINT	Steelmaker LF Palanquillas (Venezuela)
2002/03	SNAMPROGETTI	QATIF (ARAMCO) - Planning and design of steel and reinforcement concrete
2002	FOSTER WHEELER	Preliminary design of boiler supporting structure in Voghera and Teverola
2001	HAMON	Steel structure in dedusting system in Filago
2000	TTR – PROTECMA	Design of steel structure in Trezzo d'Adda waste managenet plant
1999	CITY OF MOZZO (BG)	Concrete structure for library in Mozzo (BG)

**Informatic knowledge: Operative system:** Microsoft Windows Operating Systems

**Structural analysis:** GTStrudl, XFinest, SAP2000, CSFOND, SACS, STAAD

**Office automation:** Microsoft Office suite

**Graphic:** AutoCAD, Microstation, Framework, Tekla Structures