

PERSONAL INFORMATION

Oronzo Patronella

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Sex Male | Date of birth 29/12/1978 | Nationality Italian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Mechanical Engineer

WORK EXPERIENCE

January 2018 – Present

Civil Head of Department

FBM s.r.l, Via Lacaita 29, 74121 – Taranto, Italy

Senior Structural Engineer, experienced in Structural Calculation & Design. Specific knowledge's in design engineering structures, civil works, components, piping & mechanical, disciplines, related to Energy Plant and Off-shore Oil & Gas Industries and Petrochemical Industries.

Good knowledge on engineering national and international codes & standards, materials and metallurgy.

Fabrication Methods (lifting, overturning, weighing, mooring, sea-fastening, on-shore & off-shore transportation, load-out, ..) and Detail Fabrication engineering.

Business or sector Industrial Plant, Oil & Gas, Petrochemical Industries

December 2012 – January 2018

Structural Engineer/Project Engineer

STAFF s.r.l, Viale Cannata 68, 74123 – Taranto, Italy

Senior Project Engineer, experienced in Structural Calculation & Design. Specific knowledge's in design engineering structures, components, piping & mechanical, disciplines, related to Energy Plant and Off-shore Oil & Gas Industries and Petrochemical Industries,

Good knowledge on engineering national and international codes & standards, materials and metallurgy.

Fabrication Methods (lifting, overturning, weighing, mooring, sea-fastening, on-shore & off-shore transportation, load-out, ..) and Detail Fabrication engineering.

Business or sector Industrial Plant, Oil & Gas, On-Shore & Off-Shore

August 2007 – Present

Structural consulting engineer

Industrial, Oil & Gas, On-Shore & Off-Shore Companies

Structural Calculation, Design, Detail Fabrication Engineering of Steel structure, (Pipe) conveyor belt, Piping, Pressure vessel & Air cooler, Pneumatics and Hydraulics, On-Shore & Off-Shore Fabrication Methods (lifting, overturning, weighing, mooring, sea-fastening, on-shore & off-shore transportation, load-out, ..).

Business or sector Industrial Plant, Oil & Gas, On-Shore & Off-Shore

September 2010 – December 2012

Structural Design Engineer

Sismalab s.r.l (PNEOILGROUP SPA) – Via del Trattarello Tarantino (c/o puglia sviluppo spa), 74100 Taranto, Italy

- Project Engineer for Calculation & Design Engineering, related to the engineering of construction for structures, components, piping & mechanical disciplines, for various Company. Research and development of antiseismic devices. Laboratory tests on antiseismic devices. Design of anti-seismic devices.
- Assistant supervisor for graduation thesis at Polytechnic University of Taranto/Bari in anti-seismic structural research.

Business or sector Structural & Anti-seismic research

February 2009 – June 2011 **Wind Turbines Design Engineer Consulting**

Airblow s.r.l (PNEOILGROUP SPA) – C.da Alezza,6 – 74012 Crispiano , Taranto, Italy

- Design of Small Wind Turbines (10 - 20 kW).

Business or sector Wind Turbines

August 2007 – August 2010 **Industrial Plants Designer**

IRIS S.r.l – Contrada Forche s.n – SP Lizzano-Toricella – 74020 Toricella, Taranto, Italy

- Design of Industrial Plants, Steel Structures, Warehouses, (Pipe) Conveyor Belt, industrial structures for ILVA (Riva Group) Spa – Taranto, Italy

Business or sector Industrial Plants

October 2006 – July 2007 **Hydraulic Designer Engineer**

Pneoil S.r.l – Contrada Forche s.n – 74012 Crispiano, Taranto, Italy

- Pneumatics and Hydraulics Design of Industrial Plants, Cylinders, Piping for ILVA (Riva Group) Spa – Taranto, Italy

Business or sector Industrial Plants

EDUCATION AND TRAINING

1997 – 2006

Graduated in Mechanical Engineering

Polytechnic of Bari

- Design, Mechanics, Fluid Dynamics, Industrial Plants, Modeling, Simulation

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Excellent Ability to work alone and in groups. Good attitude to the project management, problem solving, organization

Organisational / managerial skills

- Leadership (currently responsible for a team of 3 people in the field of Design, Project Management, Detailing Engineering)

Computer skills

▪ **Simulation Softwares:**

Ansys Workbench Inventor, SolidWorks, Simulation. (Modeling 3D e FEA Analysis of Structural Elements, Linear & Non Linear Analysis, Elasto-Plastic Analysis, Thermal Analysis, Buckling Analysis, Motion Analysis)

▪ **Structural Design Softwares:**

SAP2000, SACS, SCS (Steel Connection Studio), Pro_Sap (Structural Verification & Design on Steel Structures, Pipe Rack, Industrial Buildings, (Pipe) Conveyor Belt, Bridge, Temporary Aids, On-Shore & Off-Shore Structures, Transportation Structures & Others), AFES Foundation, Loadcap, MP, Fondazioni CA, VIS.

▪ **Piping Design & Simulation Softwares:**

AutoPipe (Piping Stress Analysis), PV-Elite, Automation Studio, Amesim, CFD Fluent (Hydraulic Simulation), Autodesk Plant 3D.

▪ **Detailing Softwares:**

Tekla Structures, Prosteel, Autodesk Advance Steel, Autocad Mechanical

▪ **Data Processing Softwares:**

Matlab, Mathcad

▪ **Others Software:**

Office

Driving licence

▪ B

ADDITIONAL INFORMATION

Last Projects as Consultant Engineer

- 2018 FEA Fatigue Analysis on pressure vessel according to ASME VIII Div.2
- 2017 SKID Design, Isometric & Structural drawings
- 2017 FEA Calculation on Pressure Vessel Column with Shell distorsion according to API RP 579
- 2017 FEA Fatigue Analysis on pressure vessel according to EN13445-3
- 2017 Pressure Vessel Design and Drawings
- 2016 FEA Fatigue Analysis on pressure vessel according to ASME VIII Div.2
- 2016 3D Modeling and Shop Drawings of Steel Structures
- 2015 MR/MDS of Pressure Vessels and Heat exchangers
- 2015 FEA Fitness for Service Analysis on pressure vessel according to API RP 579

Last Projects at FB.M srl / Staff srl

- 2018 ENI Taranto / Brindisi / Livorno / Snnazzaro – Structural & Civil Works
- 2017 Cimolai –Transportation Modules for Civil Structures, Study, Design & Modeling
- 2017 Cimolai – Pressure Vessel 3D Modeling and Shop preparation
- 2017 Magaldi – Conveyor Supporting Structures, Study, Design, Modeling and Shop Drawings
- 2016 Saipem Nigeria – SSAGS Module Transportation Studies
- 2015 Saipem do Brazil – (Guaruja Yard) – Design & Detailed engineering for JUMPER Supports & Transportation Stands Structures on CABIUNAS & IRACEMA Projects
- 2014 Petromar Soyo Yard (Angola) - Saipem - Detailed engineering and method engineering for GirRi Project - Suction Piles
- 2013 Saipem do Brazil – (Guaruja Yard) - Fabrication Methods and Detailed engineering for structures & piping on PRE_SALT Project - FSHR Buoyancy Tanks, FSHR Foundations, FSHR Top & Bottom, SLWR Plets & Plets Foundations
- 2013 Petromar Soyo Yard (Angola) - Saipem - Fabrication Methods, Detailed engineering and Welding Engineering for structures and piping on Angola Block 1506 – West Hub Development Project Eni-Vetco - Subsea Structures & Piping
- 2013 Petromar Soyo Yard (Angola) - Saipem - Fabrication Methods, Detailed engineering and Welding Engineering for structures and piping on MAFUMEIRA EPC2 & EPC4 Projects - On-Shore Skids (Structures, Piping & Pipeline) & Subsea Structures, Piping, Riser & Spool
- 2013 Saipem S.p.A – Fabrication Intermare - Detailed engineering for structures on IVAR AASEN Jacket Project
- 2013 Petromar Soyo Yard (Angola) - Saipem - Fabrication Methods and Detailed engineering for structures and piping on KIZOMBA SATELLITES Phase 2 Project (Subsea Structures, Piping, Riser & Spool)

- 2012 Saipem S.p.A – Engineering Follow-up on Shah Gas Project (Abu Dhabi)
- 2012 Petromar Soyo Yard (Angola) - Saipem - Fabrication Methods and Detailed engineering for structures and piping on Congo River Crossing (CRX) Project (Subsea Structures, Piping, Riser & Spool)

Seminars

- Seminar on Earthquake Simulation by Software (Matera – 2010)
- Seminar on Anti-Seismic Devices (Milano – 2011)
- Webinar on Tekla Structures (2013 – 2015)
- Webinar on SAP2000 Software (2014 – 2015)
- Seminar on Autocad Plant 3D Software (Taranto – 2015)
- Webinar on SAP2000 Software (2016 - 2017)
- Webinar on TEKLA Structures Software (2016 - 2017)

Publications

- Identification of passive devices for vibration control by evolutionary algorithms Seminar on Anti-Seismic Devices (Milano – 2011)

ANNEXES

- Presentation of Works Performed & Heavy-Lift Methods