

Curriculum Vitae

Ing. Costantino Bandiera

Naval Architect & Marine Engineer

Ingegnere Navale e Meccanico

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Technical and professional Competences:

Marine Surveyor and Testing Specialist:

Ship Piping, Machinery, Electrical Systems; Shell and Hull Structures; Welding Technology, NDT.

Marine and Machinery Systems:

Machinery components; Pipes, valves, flanges, hoses, filters; Pressure vessels; Boilers, Heat Exchangers; Bilge Separators; Compressors and pumps, Hydraulic Systems; Hydr.Actuators, Hydr Cylinders; Hydr. Motors.

Hull Structures and Equipment:

Steel plates /tubes /bars, Steel forgings; Equipment, Anchoring and mooring equipment; Lifting Appliances, Cranes.

Propulsion plants:

Propellers; Water jets; Reduction gears; Thrusters; Diesel Engines; Shafting and couplings; Steering gears.

Electric Power Production systems: Diesel Oil, Gas, Renewables.

Low voltage (LV <1000V); Rotating machines LV; Wind Turbines; Power transformers LV; Cables ; Switchboards LV,.

Electric, Instrumentation Control & Monitoring Systems:

Electrical low voltage; Switchboards LV; Semi-conductor converters LV

Materials:

Metallic: Steel plates /tubes /bars; Steel forgings; Iron&steel castings; Aluminum alloys wrought&cast ; Copper and alloys.

Other materials: Plastic Pipes, Glass, Fibers, resins and composite materials.

Welding Technologies: (WPQR, WPS and welders qualifications);

Techniques of No Destructive Testing/ Examination:

U.T. (Ultrasonic Testing) Attendance ; U.T. Plates (Thicknesses / Defects) Operator

M.P.(Magnetic Particle) Attendance

Dye penetrants Attendance

X-Ray Results Examination

Above activities carefully planned and performed in accordance with Client Specifications, International Standards and Quality Management Systems as a set of processes and procedures for the execution within ISO, Classification Societies Rules and requirements.

Ready capacity to organize survey, to verify detailed technical specifications/drawings and to execute proper testing and performances verifications, further to evaluate completely any product's quality, before final delivery and application on board.

Other skills and competences

Twenty years of working inside shipyards and/or workshops, matured technical experience to follow each step of any production processes, closely and personally, further to propose and to recommend proper modifications, so to increase efficiency and quality to the satisfaction of clients.

General acknowledgement of the marine industry world, contracts management, accounting and operational analysis, insurances marine claims. Habit to report all activities as required by clients.

Design and modification of existing drawings, Virtual Prototype Modeling and Fast Dynamic Simulation, RAO's calculations, mechanical verifications.

Software User:

Professional Windows/Open Office, Autocad, Mathcad, Construction/Survey/Management Databases; Formsys Maxsurf; Marine Draft Survey; Gid-Tdyn: Dynamic Sea Simulation (FEM).

Driver Licenses : 1984 : Car (A-B) ; 1985 : Sea Motor/Sailing Boat to 24mt without limits.

Communication and Languages:

Communication skills are important when people working together from different countries, on board a vessel or thousands kilometers far one from each other.

Mother tongue language: Italian.

Knowledge of Spanish speaking/reading.

Fluent Technical English writing/speaking/reading,

Professional Experience

1997 - until today Twenty years as Marine Surveyor and Consultant:

Existing Vessels, New Marine Systems Constructions, Performance Testing, Sea Trials, Service, Maintenance, Repairs .

2015 2016 Freelance Marine Technical Surveyor
Materials / Welding , NDT. Marine Calculation Design (Cad-FEM).

2009 2015 Non Exclusive Surveyor: DNV GL – Det Norske Veritas
Materials / Welding (PQR/WPS), NDT, Machinery/Electrical Systems Testing at workshops; Performance Tests of Systems carried out in Italy; Marine Structure, Hull, Mechanical, Hydraulic and Electrical Systems

2012 2015 Non Exclusive Surveyor: DNV (Det Norske Veritas) .
Freelance Marine Technical Surveyor

2012 2014 Marine Calculation Designer (Cad-FEM).
Research Internal Project Optimization: Design of a Wind Turbine Offshore Floating Structure.
Virtual Prototype Modeling and Fast Dynamic Simulation, RAO's calculations, mechanical verifications.
2011 Damages & Claims Surveyor: Ing. Farina - Genova Italy;

2009 2011 Non Exclusive Surveyor: DNV appointed in Sicily, based in Palermo Fincantieri S/Y.
Survey of Construction Scarabeo 8 , Saipem SpA: One Oil Off Shore Column-stabilized Unit (Rig);
Materials / Welding and NDT, Machinery/Electrical Systems Testing; Performance Tests of Systems.
2010 Internal Project: Design of a Wind Turbine Offshore Floating Structure.

2008 2009 No-Exclusive Surveyor: ABS Ltd Europe Italy
Materials / Welding (WPQR/WPS), NDT, Machinery/Electrical Systems Testing at workshops;
Performance Tests of Systems carried out in Italy; Marine Structure, Hull, Mechanical, Hydraulic and Electrical Systems, intended also for Off Shore Supply Vessels Hartmann Logistik, built in Palermo Fincantieri S/Y.
Freelance Marine Technical Surveyor.

2006 2007 Non Exclusive Surveyor: DNV Marine Genoa Italy
Five Vessels RoRo/pax of Finnlines at Ancona and Napoli (Italy) Fincantieri S/Y.

- 2004 2005 Site Manager: Gamesa Eolica SA :
Freight, mounting, testing and delivery of wind farms: La Mancha (Spain), Abruzzo, Sicilia (Italy).
- 2003 2004 Non Exclusive Surveyor: DNV Marine Genoa Italy
Materials / Welding (PQR/WPS), NDT, Machinery/Electrical Systems Testing at workshops and installations on board. Testing Power Units, General Electric Plant (Massa Italy) Oil&Gas, Systems.
- 2000 2003 Freelance Marine Technical Surveyor :
Damages & Claims Surveyor: Ing. De Ferrari & C s.a.s Genova Italy;
Yacht Construction and Repairing as Surveyor, Seametria srl, Amel S/Y;
Superintendent for Owners: Admiral , CN Lavagna Italy.
- 1994 1999 Employer of ABS Ltd (American Bureau of Shipping):
- 1996 1999 - Field Surveyor: Materials / Welding (PQR/WPS) , NDT , Machinery/Electrical Systems Testing at workshops and installations on board; Class/Statutory Surveys .
- 1994 1995 - Engineer in Technical Office : Machinery, Electrical Systems; Shell and Structures Verification.
- 1991 Validation and verification of software: Math Marine at Cetena S.p.A.
86/92 University studies , temporary works.
1985/86 Auxiliary Fireman in National Fire Corps.

Education and Qualifications :

- 2017 ABB Technical Course CEI-016, CEI-021. (Genova Italy)
2017 EIPA European Projects' Procedures Course (Genova Italy)
2010 Fincantieri C.N.I.: Safety Course (Palermo Italy)
2006 Equanet srl : PhotoVoltaic Design and Installation (Milan Italy)
2004 Gamesa Eolica SA: Wind Turbines: Site Manager Course (Zaragoza Spain)
1998 NFPA London: Maritime Confined Space Safety Practice (London GB)
- 2003 DNV (Det Norske Veritas) : Certification of Materials and Components; (Genova Italy)**
- 1994 ABS Ltd Academy : No Destructive Evaluation for the Marine Surveyor; (Houston USA)**
- 1994 ABS Ltd Academy : Welding Inspection for the Marine Surveyor (Houston USA)**
- 1993 Italian State Examination for Naval Architect and Mechanical Engineer.
(Official Italian Authorization to Professional Activity)**
- 1993 Naval Architecture and Marine Engineering (105/110) Master Degree
Laurea in Ingegneria Navale e meccanica
DINAV Università degli Studi di Genova, Italy.
Degree Theme:“ Oil Product Tanker Vessel Structural Modification
to Double Hull accordingly with Reg.13 MARPOL”**
- 1984 /1985 National Fire Corp: “Fire Prevention Course” (Genova –Italy);
“Auxiliary Fireman Course” (Roma Italy).
- 1984 Secondary School (Scientific Orientation), School-leaving Certificate (Genova Italy).