First name and surname MARIO SCAGLIONI

Date and place of birth 10.06.1947 - Fabriano (AN) - Italy

Study Record

1966 High school certificate in scientific disciplines
(Liceo Scientifico F. Stelluti, Fabriano, Italy)

1971 Degree in Naval Architecture and Marine Engineering
(Engineering Department of the University of Genoa, Italy)
(Level: 110/110 magna cum laude)

1972 Qualification to work as a professional Naval Architect and Marine Engineer after passing a State Examination at the University of Genoa, Italy, according to Italian regulations

Foreign Languages

- Good knowledge of spoken and written English
- Good knowledge of spoken and written Spanish
- School level knowledge of French

Professional registers and Associations

- Enrolled as Shipbuilding Technical Personnel at Italian Maritime Authority Register
- Member of S.N.A.M.E. (Society of Naval Architects and Marine Engineers)

Professional Experience

Company		Period	Function
CANTIERE NAVALE BREDA Venice-Porto Marghera (Italy) (now FINCANTIERI)	Shipyard	May 73 / Mar 74 Apr 74 / Jan 77	Outfitting/Design Dept. Design Dept. Head
SUB SEA OIL SERVICES Milano (Italy)	Diving Company	Feb 77 / Sep 79 Oct 79 / Feb 81 Mar 81 / Aug 83	Ships Technical Dept. R&D Department R&D Dept. Manager
Free-lance		Sep 83 / Apr 94 Jan 98 / Mar 98	Consultant Consultant
NAVALDESIGNS Marghera - Venice (Italy)	Ship Design Company	May 94 / Nov 96 Dec 96 / Dec 97	Consultant Technical Manager

SPLINE partner from April 1998 (function: President).

Main jobs :

- Ships basic and detailed design
- Hydrodynamics (numerical prediction and tank test)
- Underwater vehicles and structures basic and detailed design
- Diving systems basic and detailed design
- Conversions basic and detailed design
- Naval and industrial structures calculation (steel, light alloy, composites)
- Finite elements analysis
- Ships technical management
- Surveys
- Business management
- Commercial activities

Detailed profile in diving and off-shore field before joining SPLINE

From February 1st 1977 to August 31st 1983 at SUB SEA OIL SERVICES in Milan, a diving company specialized in underwater works.

Until September 1979 at the Technical Department, in charge of the Ships Department, which then included six ships and four submarines.
Main activities carried out in that position can be summarized as follows :

- Technical management of ships and submarines
- Design of implementing modifications on existing ships and submarines
- Works survey in Italy and abroad
- Design of special support ships for underwater works
- Studies for new structural solutions for high depth submarines
- Co-operation with the Technical Operating Department to set specifications for underwater works

Moved on October 1979 to the Research & Development Department and involved in the design and prototype building of a new conception manned lock in-lock out submarine.

Appointed as Manager on March 1st, 1981.

Started working as a free-lance on Autumn 1983.
Main activities carried out in that position can be summarized as follows :

- Detailed design of a tethered underwater vehicle (for equipment only). Maximum operating depth: 150.0 m. Materials: aluminium alloy and glass fibre reinforced plastic.
- Structures and plants modifications for a submarine designed for interventions and surveys up to 140.0 m in depth. Material: steel.
- Detailed design of an underwater TV camera container in aluminium alloy. Maximum operating depth: 600.0 m.
- Structural calculations concerning a hydraulic 'A frame' for launching and recovering underwater vehicles.
- Studies on underwater hydraulic power packs.
- Detailed design of a dynamometric rollers system for submarine electric cables laying.
- Detailed design of a single-lock decompression chamber (Di=650 mm; p=7.0 Bars).
- Detailed design of a double-lock decompression chamber (Di=1,200 - 1,400 mm; p=10.0 Bars).
- Hydrodynamic study for a tethered underwater vehicle. Operating depth: 1,000 m.

- Supervision of the modification of a mooring system for a Diving Support Vessel.
- Basic design and detailed structural calculation of mobile bulkheads for Venice lagoon.
- Detailed design of a rollers system for load-out of submarine electric cables.
- Preliminary design of lifting appliances for a Pipe Laying Ship.
- Operation and maintenance manual draft for a hyperbaric simulator (100 Bars).
- Hydrodynamic analysis of a towed underwater vehicle (for equipment only).
- Upgrading of a towed underwater vehicle (for equipment only).
- Detailed design of a modular underwater vehicle (for equipment only) with three different layouts, towed or self-propelled. Maximum operating depth: 300.0 m. Materials : steel and glass fibre reinforced plastic.
- Structural and hydrostatics calculations for a submersible equipment designed for pipe laying.
- Design of platforms mud-mats in glass fibre reinforced plastic sandwich.

Detailed profile in diving and off-shore field at SPLINE

- Concept design of a new FPSO (250,000 m^3)
- Concept design of an Oil Tanker conversion into FSO (300,000 m^3)
- Feasibility study of an Oil Tanker conversion into FPSO (about 2,000,000 bbls).
- Freeboard calculation, longitudinal strength check and stability check (intact and damaged ship) for No. 6 FPSO in the range from 700,000 to 1,900,000 bbls.
- Inclining experiment for No. 3 FPSO in the range from 700,000 to 1,900,000 bbls.
- Feasibility study and basic design of barges for North Caspian Sea.
- Basic and detailed design of a Power Generation Barge (120 MW) for North Caspian Sea.
- Basic and detailed design of a Living Quarter Barge (180 PoB) for North Caspian Sea.
- Basic and detailed design of a Temporary Utility Barge for North Caspian Sea.
- Feasibility study of a Living Quarter Barge (475 PoB) for North Caspian Sea.
- Feasibility study of Drilling Barges for North Caspian Sea.
- Basic design of a Supply Vessel conversion into Diving Vessel.
- Basic an detailed design of a Crane Barge modifications (crane 61 t, 56 PoB).
- Basic an detailed design of a Derrick/Crane/Pipe Laying Barge modifications (derrick 1,270 t, crane 225 t, pipe tensioner No. 1 x 60 t, 200 PoB).
- Basic an detailed design of a Crane/Pipe Laying Vessel modifications (crane 700 t, pipe tensioner No. 2 x 100 t, 250 PoB)
- Feasibility study of a Tender Assisted Drilling Rig.
- Basic and detailed design of mooring buoys for tankers up to 270,000 DWT.
- Basic and detailed design of towed underwater vehicles for oceanography.
- Concept design of a Multipurpose Tug/Supply Vessel.