

CURRICULUM VITAE OF PETRIOLI in. GIOVANNI  
(April 2019)

PERSONAL INFORMATION

- Born in [REDACTED] on [REDACTED]
- Address: [REDACTED] - [REDACTED]
- Mobile phone: ++39 [REDACTED]
- E-mail: [giovanni.petrioli@alice.it](mailto:giovanni.petrioli@alice.it)
- Electronic engineering degree achieved at University of Bologna (Italy) on November 1969
- Italian, French and English languages (spoken and written).

WORK EXPERIENCE

- From March to April 2019 on behalf of DE PRETTO INDUSTRIE responsible of commissioning and start up after major overhauling of Group 1(24 MW steam turbine by Franco Tosi)at ISAB South Refinery of Priolo.(Italy)
- April 2017: on behalf of DE PRETTO INDUSTRIE of Schio (Italy) responsible of commissioning and start up of a 7 MW condensation steam turbine after overhauling at Gruppo Saviola part of Sustinente (Italy).
- From March to May 2015 on behalf of ETHOS ENERGY ITALIA (ex TURBOCARE) of Torino (Italy), responsible of commissioning, start up and instruction of customer power plant operation personnel after major overhauling of a 24 MW steam turbine whose original configuration (two controlled pressure extractions and condensation) has been changed to one extraction and exhaust pressure controlled at ISAB South Refinery of Priolo (Sicily).
- From June to December 2014 technical coordinator at MECCANICA SYSTEM of Prato (Italy) of a project for the study and design of existing thermal plants modification in order to cut down power consumption and increasing the efficiency.
- From October 2013 to May 2014 joining to the TURBOCARE Company of Torino engineering team charged with the study and design of modifications of Group 3 24 MW steam turbine at ISAB South Refinery of Priolo as responsible for design and installation of a new electro-hydraulic control system replacing the old mechanical system and turbo-group start up and operation expert .

- April 2014: on behalf of TURBOCARE, commissioning and start up after major overhauling of two steam turbocompressors at ISAB North Refinery of Priolo.
- May 2011: on behalf of ANSALDO ENERGIA of Genova (Italy), one week training for Jeddah 4 power plant (Saudi Arabia) engineers on steam turbine operation, lubrication and EH control and Turbine Stress Evaluator systems.
- From July 2010 to end September 2012 on behalf of ELETTRA PROGETTI of Novara (Italy), joining to Power Generation department of BRITISH GAS ITALIA POWER at Milano (Italy) where I was involved in the operation management of N° 3 100 MW and N°2 50 MW cogeneration power plants carrying out the following activities:
  - technical support and management;
  - operation coordination and supervision;
  - compilation of technical specifications and procedures both for equipment purchasing and power plant operation.
- January – February 2010: on behalf of ANSALDO ENERGIA commissioning and start up after major overhauling of one 393 MW steam turbine by ABB-ALSTOM at Shoiabah power plant (Saudi Arabia).
- October 2009: on behalf of ANSALDO ENERGIA commissioning and start up after overhauling of one 120 MW back pressure control and one 5 MW boiler feed water pump steam turbines by FRANCO TOSI-WESTINGHOUSE at AL JUBAIL-Phase 2 desalination and power plant (Saudi Arabia).
- From 1 to 15 June 2009 commissioning and start up of one 35 MW pass-out control and condensation steam turbine by FRNCO TOSI at Sitra power plant (Bahrain).
- From October 2007 and to July 2009 I have carried out on behalf of FRANCO TOSI MECCANICA of Legnano (Italy) one activity of coordination, technical support and design responsibility for replacement and retrofitting of control, automation, electrical and power generation obsolete systems of one 162 MW hydraulic turbine at Inga-2 power plant (Congo-Zaire).
- From March to September end 2007 on behalf of ELETTRA ENERGIA company of Cameri (Novara-Italy) responsible for the maintenance of whole cogeneration plant of MALPENSA 2000 Airport Milan, including electric power generation facilities and overheated and cold water distribution pipe lines for auxiliary and air conditioning systems of airport station.

- September – October 2006: technical supervision of installation in an existing power plant and commissioning of the following steam turbines:
  - 10 MW back pressure by AEG;
  - 35 MW condensation by ECHER SWISS
 at CARSID siderurgical factory of Charleroi (Belgium).
- From December 2005 to July 2006 joining, as turbogenerator manager to the Commissioning Team of a combined cycle power unit, including GVR (Recovery Steam Generator) and a 10 MW steam turbine, at MALPENSA 2000 airport power plant.
- From October 2004 to June 2005 on behalf of ELETTRA ENERGIA, on site responsible of relationships with client and technical support for the maintenance of cogeneration power plant at MALPENSA 2000 airport.
- From November 2003 to May 2004 on behalf of ANSALDO ENERGIA carried out an activity of coordination, technical support and project management in the turbogenerator area of Unit 2 (700 MW) of CERNAVODA (Romania) Nuclear Power Plant.
- From May to October 2003 on behalf of ANSALDO commissioning and start up of following FRANCO TOSI units after major overhaul at Al Jubail (Phase 1 and 2) power plant (Saudi Arabia):
  - Two 5 MW boiler feedwater turbopumps;
  - One 120 MW back pressure steam turbine;
  - One 65 MW condensation steam turbine with a pressure controlled extraction.
- October 2002: one week training on control system and operational procedures for operation personnel of a 5.5 MW steam turbine by ANSALDO at Sesto S. Giovanni (Milan) Waste Incinerator Plant.
- August – September 2002: on behalf of ENEL POWER carried out the technical survey (preliminary to the major overhaul) of two 150 MW steam turbines by SIEMENS at Mehardeh power plant (Syria).
- From November 2000 to May 2002 cooperating with a technical /trading company of Busto Arsizio (Italy) as “Technical Manager”, carrying out the following functions:
  - Technical responsibility for the proposal of industrial and power generation plants machinery;

- System design, coordination and check of manufacturing and retrofitting of mechanical-hydraulic control system of two 200 MW steam turbines by MITSUBISHI at Harta (Iraq) power plant;
  - Responsibility of relationships with external suppliers and Iraqi customer by means of technical/commercial meetings and on site surveys.
  
- January-October 2000: cooperating with a trade company at Saronno (Italy) as "Marketing Manager". Functions covered were:
  - responsibility (both technical and commercial) of proposals for the supply of electronical/electrotechnical apparatuses of power generation and industrial plants (plant instrumentation, control, automation and supervision systems, DCS, valves and generally speaking machinery);
  - responsibility for middle eastern market with visits to Jordanian and Iraqi customers.
  
- November-December 1999: commissioning of a 5.8 MW steam turbine by ANSALDO at Neunkirchen (Germany) waste incinerator plant.
  
- June-September 1999: on behalf of TCP company, commissioning and start up of a 63 MW steam turbogenerator by FRANCO TOSI in a coal fired power plant at Madras (India).
  
- From April 1987 to May 1999 I have worked for the Automation Division (named PCZ) of MARCONI AUTOMAZIONE company in Monza (Italy), where on September 1989 I got the grade of "executive". On 1998 PCZ were acquired by ALSTOM company.
- From April 1987 to May 1990 I worked as Project Manager and, from this date up to May 1996, I have occupied the position of "Power Plant Automation System Design Department Manager".
- From May 1996 up to May 1999 I have covered the position of "PCZ Division Customer Care Service Manager".
  
- From October 1970 to April 1987 working for Steam Turbine Department of Franco TOSI company at Legnano (Italy) as "Turbogenerator Instrumentation and Electronic Control System Design Service" manager. During this period I have been also involved in commissioning and start up of many power plants equipped with sophisticated instrumentation and automation system designed by myself. In particular, I participated in the

following activities:

- 1973/74: commissioning and start up of two 415 MW nuclear steam Turbines at Doel (Belgium) power plant;
- 1976: start up of one 125MW unit in Montevideo (Uruguay);
- 1978: start up of two 4 MW turbocompressors in a chemical plant at Saratov (ex USSR);
- 1980/81: start up of first Italian 660 MW unit at Porto Tolle ENEL power plant;
- 1981/83: as "Turbogenerator Commissioning Manager" started up five 120 MW units, also carrying out the functions of "Power Plant Erection Manager" at Jeddah 4 (Saudi Arabia) power plant;
- 1986: as "Turbogenerator Automation and Control System Design Manager" I have coordinated the commissioning and start up of turbogenerator and Relevant thermal cycle of two 130 MW units at Aquaba (Jordan) Thermoelectric power plant.

#### TRAININGS

The most significant trainings I attended are:

- From July 1976 to January 1977 training at BECHTEL POWER CO. of Los Angeles (USA) on: nuclear power plants including general aspects of management, engineering, procurement, construction, quality programs and detailed elements of electrical engineering and instrumentation/control systems.
- From September to December 1976 training at BECHTEL POWER CO. on: Generating stations electrical systems and equipment protection.
- March 1984- Istituto per la Direzione del Personale (ISPER)- training on: "Sensibilization on Management of Human Resources".

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