



**PIETRO ZITO**  
*Curriculum Vitae*

INFORMAZIONI PERSONALI

COGNOME NOME

ZITO PIETRO

INDIRIZZO

TELEFONO

FAX

E-MAIL

[PIETRO.ZITO@ENEA.IT](mailto:PIETRO.ZITO@ENEA.IT)

E-MAIL CERTIFICATA

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NAZIONALITÀ

ITALIANA

LUOGO E DATA DI NASCITA

PALERMO, 12.02.1973

CODICE FISCALE

ZTIPTR73B12G273C

ESPERIENZE LAVORATIVE

ATTIVITÀ ATTUALE

- Dal 17/12/2012 è ricercatore a tempo indeterminato di 3° livello F3, presso il Centro Ricerche ENEA di Frascati (Roma) per la progettazione, la realizzazione e la gestione di sistemi di alimentazione elettrica non convenzionali di potenza per macchine tokamak a fusione nucleare, FSN-FUSEN-DIA/DTT S.c.a r.l.
- Dal 23/09/2020 l'ing. Pietro Zito è stato l'assegnato temporaneamente ai sensi dell'art. 23-bis, comma 7, del D.Lgs n. 165/2001, presso la Società DTT S.c.a r.l. lettera del 19/10/2020 Prot. ENEA/2020/53449/PER-GRAL, per un impegno del 50% ed è attualmente R.O. (Responsible Officer) e T.L. (Task Leader a.i.) per i servizi e le attività relative a DTT 5.1.3\_PSS-TPP (TFS Magnet Power Supply).
- Dal 01/01/2021 Responsabile Scientifico e Task Coordinator per ENEA del WP11-DEMO PES WPPEs – DEMO Plant Electrical Systems relativo al Grant Agreement Horizon Europe n. 101052200 “Implementation of activities described in the roadmap to fusion during HE through a Joint Programme of the members of the EUROfusion Consortium”, per il periodo 01/01/2021 - 31/12/2025. Determinazione n. 031 (2022) FSN del 01/04/2022.

ISTRUZIONE E FORMAZIONE

- Dal 01/11/2000 al 31/10/2003 - Dottorato di ricerca in Tecnica ed Economia dei Trasporti conseguito presso la Facoltà di Ingegneria dell'Università degli Studi di Palermo il 24/02/2004. Titolo della tesi di dottorato: Possibili strategie per ridurre l'impatto ambientale del traffico stradale nelle aree urbane.
- Dal 1992 al 1999 - Laurea in Ingegneria Elettrica indirizzo energia conseguita presso la Facoltà di Ingegneria dell'Università degli Studi di Palermo il 29/10/1999 con punti 110/110 con lode. Titolo della tesi di laurea: Le tecniche di stima del flusso magnetico nel controllo vettoriale sensorless del motore ad induzione: analisi e raffronti.
- Dal 10/02/2000 - Abilitazione alla libera professione ed iscritto all'albo degli ingegneri della provincia di Palermo iscrizione n. 6153.

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**CAPACITÀ E COMPETENZE  
PERSONALI**

PRIMA LINGUA	Italiano
ALTRE LINGUE	Inglese
CAPACITÀ DI LETTURA	Eccellente
CAPACITÀ DI SCRITTURA	Eccellente
CAPACITÀ DI ESPRESSIONE ORALE	Eccellente
ALTRE LINGUE	Francese
CAPACITÀ DI LETTURA	buono
CAPACITÀ DI SCRITTURA	buono
CAPACITÀ DI ESPRESSIONE ORALE	Discreto
ALTRE LINGUE	Spagnolo
CAPACITÀ DI LETTURA	Buono
CAPACITÀ DI SCRITTURA	Buono
CAPACITÀ DI ESPRESSIONE ORALE	Discreto
LINGUAGGI DI PROGRAMMAZIONE	Pascal, Basic, Visual Basic, C e C++.
APPLICAZIONI SOFTWARE	Microsoft Windows 98, XP e NT, Gruppo Office 2003, Autocad 14 e 2000, Matlab <sup>R</sup> 6.0, Matematica 4, Simulink <sup>R</sup> 6.0, Tool Box Signal Processing, Visual Studio 6.0, Oracle 7.3, Limdep 8, Nlogit, SPSS 11, MTmodel, Visum, Vissim, ANSYS, PSIM, ETAP.

**PUBBLICAZIONI  
SCIENTIFICHE**

- RIVISTE
- J1) P. Zito, et. al, "Preliminary Assessment of Radiolysis for the Cooling Water System in the Rotating Target of SORGENTINA-RF", (2022) *Environments - MDPI*, 9 (8), art. no. 106, DOI: 10.3390/environments9080106.
  - J2) P. Zito, et. al, "Transient Electrical Behavior of the TF Superconducting Coils of Divertor Tokamak Test Facility during a Fast Discharge", (2022) *IEEE Transactions on Applied Superconductivity*, 32 (7), art. no. 4901610, DOI: 10.1109/TASC.2022.3179873.
  - J3) P. Zito, et. Al., "On the definition of the deuterium-tritium ion beam parameters for the SORGENTINA-RF fusion neutron source", (2022) *European Physical Journal Plus*, 137 (10), art. no. 1150, DOI: 10.1140/epjp/s13360-022-03060-4.
  - J4) P. Zito, et. Al., "Neutronic and Shielding Analyses for the DTT Electronics", (2022) *IEEE Transactions on Plasma Science*, 50 (11), pp. 4545-4550. DOI: 10.1109/TPS.2022.3212792.
  - J5) P. Zito, et. Al., "Overview of the Divertor Tokamak Test (DTT) coil power supplies", (2023) *Fusion Engineering and Design*, 188, art. no. 113442, DOI: 10.1016/j.fusengdes.2023.113442.
  - J6) P. Zito, et. Al., "Cascaded multilevel inverter for vertical stabilization and radial control power supplies", (2023) *Fusion Engineering and Design*, 189, art. no. 113473, DOI: 10.1016/j.fusengdes.2023.113473.

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- J7) P. Zito, et. Al., “*Final Design of the DTT Toroidal Power Supply Circuit*”, (2023) Fusion Engineering and Design, Volume 192, July 2023, 113595, DOI: 10.1016/j.fusengdes.2023.113595.
- J8) P. Zito, et. Al., “*Experimental campaign on ordinary and baritic concrete samples for the SORGENTINA-RF plant: the SRF-bioshield tests*”, European Physical Journal Plus, 2023, 138(5), 435.
- J9) P. Zito, et. Al., “*Frequency response analysis of a toroidal field coil of the divertor tokamak test facility*”, Fusion Engineering and Design, 2023, 194, 113745.

OBBLIGHI DI LEVA

Dal 04/04/2000 al 28/05/2001 - svolti presso il Centro Addestramento Scuola Artiglieria Contro Aerei in Sabaudia (LT), in qualità di ufficiale di complemento con il grado di sottotenente.

PATENTI

A, - B, - C rilasciate dalla motorizzazione civile di Palermo il 18/09/2002.

Il sottoscritto è a conoscenza che, ai sensi dell'art. 76 d.p.r. 28 dicembre 2000, n. 445, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del Codice Penale e delle leggi speciali. Inoltre, il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dalla Legge 675/96 del 31/12/1996.

PALERMO 15/01/2024

ING. PIETRO ZITO



# CURRICULUM VITAE

## PERSONAL INFORMATION

Name	LUCA NOVELLO
E-mail	luca.novello@f4e.europa.eu
Nationality	Italian
Date of birth	31 January 1978

## WORK EXPERIENCE

<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and address of employer<ul style="list-style-type: none"><li>• Type of business or sector</li><li>• Occupation or position held</li></ul></li><li>• Main activities and responsibilities</li></ul>	<p>May 2011 - Now</p> <p>Fusion for Energy (Garching – Germany)</p> <p>JT-60SA Department</p> <p>Responsible Officer for the integration of the JT-60SA Power Supplies</p> <p>Technical supervision of the procurement arrangements for JT-60SA Superconducting Magnet Power Supplies, Switching Network Units, Quench Protection Circuit and Resistive Wall Mode Control Power Supplies, including:</p> <ul style="list-style-type: none"><li>• Definition of technical specification of components to be procured</li><li>• Review of detailed design performed by industrial suppliers</li><li>• Validation of test on components according to applicable technical specifications and international standards</li><li>• Definition and management of interfaces with Japanese auxiliary plants</li><li>• Integration of control systems with the central control system of JT-60SA</li><li>• Contribution to the definition of requirements of interfacing systems such as TF magnets, PF magnets, Quench protection system</li></ul>
<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and address of employer<ul style="list-style-type: none"><li>• Type of business or sector</li><li>• Occupation or position held</li></ul></li><li>• Main activities and responsibilities</li></ul>	<p>September 2005 – April 2011</p> <p>Consorzio RFX (Padova – Italy)</p> <p>Power Supply group</p> <p>Researcher</p> <p>Involved in the operation of the RFX-mod experiment, in particular:</p> <ul style="list-style-type: none"><li>• Member of the Support Group for the experimental activity of RFX, in charge of the successful RFX power converter reconfiguration for the achievement of 2MA plasma current</li><li>• Technical Responsible of the experimental operation of RFX</li><li>• Responsible of the 50kA/35kV Energy Transfer plant of RFX, composed of dc vacuum circuit breakers and discharge resistors</li><li>• Responsible of the Power Supply system for the control of the radial field of RFX composed of a rectifier part and of 192 inverters each rated 400A/700V</li><li>• Development of a complete model of the ac/dc converters of RFX, including both power and control part, aimed at performing analyses and experimental tests for the improvement of the ac/dc thyristor converters of RFX</li></ul> <p>Involved in the activities performed by Consorzio RFX under the Broader Approach agreement, in particular:</p> <ul style="list-style-type: none"><li>• Work Package Manager of the design, procurement, construction, factory tests, installation and acceptance tests of the Quench Protection Circuit for the superconducting magnets of the Satellite Tokamak JT-60SA, to be built in Naka, Japan</li><li>• Design and development of a prototype of a 20kA/5kV hybrid mechanical-static dc circuit breaker for the Quench Protection Circuit of JT-60SA</li></ul>

Involved in the design of the ITER Neutral Beam Injector, in particular:

- Responsible of the adaptation of the 400kV Substation and of the design of the Medium Voltage Distribution for the supply of the SPIDER and MITICA experiments, under construction at Padova
- Co-author of the Technical Specification of the power supply systems for SPIDER and MITICA experiments

**Lectures for the teaching of “Technique and Economy of the Energy” for the degree of Energetic Engineering at the University of Padova (Italy) during the Academic year 2008-2009**

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

May 2003 – August 2005

Forgital Italy (Seghe di Velo – Vicenza - Italy)

Technical office and Maintenance

Technical employee

- Co-author of the technical specification of a new maintenance management software
- Reorganization of the strategic spare parts for presses, rolling mills and furnace for forging and thermal treatment
- Study of the plant improvement for the achievement of the aerospace certification NADCAP for the thermal treatment furnaces

## EDUCATION AND TRAINING

- Dates (from – to)
  - Name and type of organisation providing education and training
    - Title of qualification awarded
- Thesis title

2007 – 2009

Padova University (Italy)

PhD in Industrial Engineering - Specialization in Energetic Engineering

“Analyses and experimental tests for the development of the quench protection system for the superconducting magnets of the Satellite Tokamak JT-60SA”

- Dates (from – to)
  - Name and type of organisation providing education and training
    - Title of qualification awarded
- Thesis title

1997 – 2003

Padova University (Italy)

Degree in Electronic Engineering (110/110 cum laude)

“Development of algorithms for the restoration of sound documents: a statistic approach based on models”

- Dates (from – to)
- Name and type of organisation providing education and training
  - Title of qualification awarded

1992 – 1997

Liceo Scientifico F. Corradini – Thiene – Vicenza (Italy)

Scientific high school certificate (60/60)

## CONCISE CV

*Surname and name:* **BONETTI DANIELE**  
*Degree:* **Energy Engineering – Politecnico di Milano**  
*Certification:* **Certified Supply Chain Professional (CSCP)**  
*Hiring Group Date:* **01-09-2001**  
*Hiring Company Date:* **01-01-2017**  
*Current job position:* **Expediting & Inspection Services Department Manager**  
*Department/Unit/business Area:* **Expediting & Inspection Services (EXPI)**  
*Company:* **EniProgetti spa**

### Summary of the job position held

<i>From</i>	<i>to</i>	<i>Job position</i>	<i>Company</i>
Jan 2024	today	Expediting & Inspection Services Dept. Manager	EniProgetti
May 2021	today	Supply Chain & Quality Control Coordinator	EniProgetti-DTT
July 2019	April 2021	Supply Chain & QC Supervisor-Coordinator	EniProgetti
Nov. 2017	June 2019	Quality Control & Expediting Coordinator	EniProgetti
Jan. 2017	Oct 2017	Supply Chain & Quality Control Coordinator	EniProgetti
Jan. 2016	Dec 2016	Supply Chain & Quality Control Coordinator	Tecnomare
July 2011	Dec 2015	Project Material Manager (Supply Chain & QC Co.)	Saipem
March 2009	June 2011	Technical Manager	Saipem
Dec. 2007	Feb. 2009	Senior Process Engineer	Saipem
Sept. 2001	Nov. 2007	Process Engineer	Ecos Group
Sept. 1999	Aug. 2001	Mechanical Engineer	Grossi&Speier

## Section A

### PROFESSIONAL CURRICULUM

*Period:* from January 2024 to Today  
*Position/Role:* Expediting & Inspection Services Department Manager  
*Company:* Eniprogetti *Department/Unit/business:* EXPI  
*Area:* Expediting & Inspection  
*Country/Location:* Italy/Rome

*Main tasks performed and related context:*

**January 2024 – today** **Rome (Italy) Client:**  
**Project Name:**  
**Role: Expediting & Inspection Services Department Manager**

In the considered period, manage the expediting & inspection services department in terms of:

- workload
- job orders
- inspection agency contract agreement

Moreover, support the following project as Engineering Manager:

- Zohr BDS & Zohr Infill projects

*Period:* from May 2021 to Today  
*Position/Role:* Supply Chain & Quality Control Coordinator  
*Company:* Eniprogetti - DTT *Department/Unit/business:* EXPI  
*Area:* Inspection & Expediting  
*Country/Location:* Italy/Rome-Frascati

*Main tasks performed and related context:*

**May 2021 – Today** **Rome-Frascati (Italy) Client: DTT S.c.a r.l. (Italy)**  
**Project Name: Divertor Tokamak Test Project (EPC)**  
**Role: Supply Chain & Quality Control Coordinator**

In the considered period, took part in the Divertor Tokamak Test Project relative to the construction of a new tokamak at ENEA Frascati site.

Within the Project was responsible for the coordination of the Quality Control and Expediting activities and was directly involved to the follow-up of the most critical items.

The purpose is to assure timely execution and control for expediting and quality control during manufacturing stages of purchased goods.

This role consisting also to:

- support the Procurement Manager in the Procurement Plan issue
- support RUP and DEC to manage the relationship/criticalities with the Vendors,
- verify the respect of the fabrication schedules issued by Vendors,
- issue of a monthly report (MSR) to inform the Project about the material status (fabrication, test, inspection, delivery).

**Period:** from July 2019 to April 2021  
**Position/Role:** Supply Chain & Quality Control Supervisor-Coordinator  
**Company:** EniProgetti **Department/Unit/business:** EXPI-RO  
**Area:** Inspection & Expediting  
**Country/Location:** Italy/Rome, Angola/Luanda

*Main tasks performed and related context:*

**July 2019 – April 2021** **Rome (Italy)** **Client: ENI Angola-SONANGOL (Angola)**  
**Project Name: Gasoline Production Increase (EPC)**  
**Role: Supply Chain & Quality Control Supervisor-Coordinator (PMS)**

In the considered period, took part in the Gasoline Production Increase to the revamping of Luanda Refinery Plant at Luanda (Angola) site.

Within the Project was responsible for the supervision of KT about Expediting-Inspection-Shipping & Quality Control activities and was directly involved to the follow-up of the most critical items (eg. Columns, Compressor, Separators, Pressure vessels, S&T Heat exchangers, etc.) coordinating third party agencies for the Expediting & Inspection activities.

The purpose is to assure timely execution and control for expediting-inspection and quality control during manufacturing stages of purchased goods and the shipping too.

This role consisting also to:

- manage the relationship/criticalities with KT (main contractor), the Vendors and the Client
- verify the respect of the fabrication schedules issued by KT-Vendors,
- issue of a weekly report to inform the Project about the material status (fabrication, test, inspection, delivery).

**Period:** from November 2017 to June 2019  
**Position/Role:** Quality Control & Expediting Coordinator  
**Company:** EniProgetti **Department/Unit/business:** EXPI-RO  
**Area:** Inspection & Expediting  
**Country/Location:** Italy/Rome

*Main tasks performed and related context:*

**November 2017 – June 2019** **Rome (Italy)** **Client: ENI-Raffineria di Sannazzaro (Italy)**  
**Project Name: EST Rebuilding Project (EPC)**  
**Role: Expediting coordinator**

In the considered period, took part in the EST Rebuilding Project relative to the rebuilding of EST Plant at Raffineria di Sannazzaro site.

Within the Project was responsible for the coordination of the Quality Control and Expediting activities and was directly involved to the follow-up of the most critical items (eg. HP Separators, Pressure vessels, S&T Heat exchangers, etc.).

The purpose is to assure timely execution and control for expediting and quality control during manufacturing stages of purchased goods.

This role consisting also to:

- manage the relationship/criticalities with the Vendors,
- verify the respect of the fabrication schedules issued by Vendors,
- support the prefabrication feasibility updating the piping bulk lists
- support the site activities in order to avoid delay in the construction schedule
- issue of a biweekly report to inform the Project about the material status (fabrication, test, inspection, delivery).

**Period:** from January 2017 to October 2017  
**Position/Role:** Supply Chain & Quality Control Coordinator  
**Company:** EniProgetti **Department/Unit/business:** EXPI-RO  
**Area:** Inspection & Expediting  
**Country/Location:** Italy/Rome

*Main tasks performed and related context:*

**January 2017 – October 2017      Il Cairo (Egypt)      Client: Petrobel (Egypt)**

**Project Name: Zohr Development Project (ASU - EPC)**

**Role: Expediting-Inspection & Quality Control coordinator/supervisor**

In the considered period, took part in the Zohr Development Project (ASU) relative to the construction of a new Greenfield gas processing facilities with nominal 2800 MMSCFD of export Sales Gas capacity at Zohr site in El Gamil (Port Said Governorate)

Within the Project was responsible for the coordination/supervision of the Expediting-Inspection & Quality Control activities in charge of ENPPI engineering company.

The purpose is to assure timely execution and control for expediting and quality control during manufacturing stages of purchased goods

**Period:** from January 2016 to December 2016  
**Position/Role:** Supply Chain & Quality Control Coordinator  
**Company:** Tecnomare **Department/Unit/business:** ASUP  
**Area:** Post Order  
**Country/Location:** Italy/Rome

*Main tasks performed and related context:*

In the considered period, took part in the Zohr Development Project (Petrobel – Egypt) relative to the construction of:

- Central Control Platform (CCP): responsible for the coordination of the Expediting & Quality Control activities (up to October 2016)
- Onshore Accelerated Star-Up phase (ASU): responsible for the coordination/supervision of the Expediting-Inspection & Quality Control activities in charge of ENPPI (from November 2016 to December 2016).

**Period:** from July 2011 to December 2015  
**Position/Role:** Project Material Manager (Supply Chain & Quality Control Coordinator)  
**Company:** Saipem **Department/Unit/business:** Post Order Rome  
**Area:** Post Order  
**Country/Location:** Italy/Rome

*Main tasks performed and related context:*

In the considered period, took part in the Safco V Project (Safco – KSA) relative to the construction of a new Urea Stand Alone plant (EPC)

Within the Project was responsible for the coordination of the Post Order group (Expediting, Inspection, Quality Control and Logistic activities) with the purpose of assure timely integrated strategies, planning, execution and control for expediting, quality control during manufacturing

stages, shipping and customs activities of purchased goods respecting budget, costs and effective control of the project for Post Order overall operations.

This role consisting also to:

- manage the relationship/criticalities with the Vendors,
- verify the respect of the fabrication schedules issued by Vendors,
- control of man hours budget for Post Order activities
- support the site activities in order to avoid delay in the construction schedule
- coordinate the shipping and custom clearance activities
- analyze, with the Engineering Disciplines the definition of the inspection type
- issue of a monthly report to inform the Project and the Client about the material status (fabrication, test, inspection, delivery).

Within the Project has participated to all Kick-off Meetings (KoM) held for the main items (eg. Boilers, Columns, Pumps, Instruments, Valves, MV/LV Switchgear, etc.) and has coordinated the following Pre-Inspection meetings (PIM) to the Vendor factory:

- Italy - Macchi: Steam Boilers
- Japan - Mitsubishi: CO2 Compressor
- India - Larsen & Toubro: Urea Reactor, Urea Stripper, Condensers
- India - Godrej: Urea LP/MP Decomposer
- India - Sulzer: Columns Internals
- South Korea - Hyosung: Main Columns
- South Korea - Hyundai: MV Motors
- Netherland - UFT: Licensed Granulator package
- Netherland - Flowserve: HP Pumps
- KSA - Zamil: Vacuum Separator, Pressure Vessels
- KSA - Olayan Descon: S&T Heat Exchanger
- UK - Howden: Atom Air Compressor
- Germany - KSB: Centrifugal Pumps

Moreover, he has directly followed:

- the expediting activities to Larsen & Toubro factory (Mumbai – India) of Reactor and Stripper
- the expediting activities to Sulzer factory (Pune – India) of Columns Internals
- the expediting activities to Zamil factory (Dammam – KSA) of Separator and Vessels
- the expediting activities to Olayan Descon factory (Al-Jubail – KSA) of S&T Heat Exchangers
- the expediting activities to KSB factory (Frankenthal – Germany) of Centrifugal Pumps
- the expediting activities to Howden factory (Glasgow – UK) of Air Compressor
- the pre-shipping activities to Macchi fabrication yard in Marghera Port (Italy) of the Boilers
- the unloading activities to Al-Jubail Port (Al-Jubail – KSA) of the Boilers
- the pre-shipping activities to Larsen & Toubro factory in Mumbai (India) of the Urea Reactor and Stripper

The Post Order group have managed more than 400 purchase orders (value around 160 Million EUR) and more than 18000 tons of materials delivered.

<i>Period:</i>	from March 2009 to June 2011	
<i>Position/Role:</i>	Technical manager	
<i>Company:</i>	Saipem	<i>Department/Unit:</i> PROTEC
<i>Area:</i>	Engineering	
<i>Country/Location:</i>	Italy/Libya (Tripoli)	

*Main tasks performed and related context:*

**May 2011 – June 2011**

**Rome**

**Client: SAFCO/SABIC (KSA)**

**Project Name: Safco V Urea Stand Alone Project (Bid + EPC)**

**Role: Technical Manager**

Within the Project has coordinated the engineering activities consisting of the issue of all the documents needed/requested for bidding phase (data sheets, PFD, project procedures, equipment summary, BOQ, etc.) and for the EPC phase (mechanized data sheets, procedures, mechanized P&IDs, RdA, etc). Moreover, was involved to solve technical criticalities, to coordinate technical internal meeting and to manage technical meetings with Client.

**February 2011 – April 2011**

**Tripoli (Libya)**

**Client: WAHA OIL COMPANY (Libya)**

**Project Name: North Gialo Project (FEED)**

**Role: Technical Manager**

In the considered period, took part in the North Gialo Project (WAHA – Libya) relative to the construction of a new Processing Station (FEED) consisting mainly of the following facilities:

- 2 oil processing trains, each having design capacity of 50000 BPD;
- 2 gas processing trains each having design capacity of 100 MMSCFD;
- 1 produced water treatment facility having design capacity of 20000 BPD;
- Support facilities.

Within the Project was responsible for the coordination of the engineering activities consisting of the issue of all the documents needed/requested for FEED phase (data sheets, PFDs, P&IDs, project procedures, equipment summary, BOQ, etc.).

Moreover was involved to solve technical criticalities, to coordinate technical internal meeting and to manage technical meeting with Client.

**September 2010 – January 2011 Fano & Vibo Valentia**

**Client: ENI E&P**

**Project Name: Zubair Oil Field Development Project (FEED)**

**Role: Technical Manager / Interface Manager**

In the considered period, took part in Zubair Oil Field Development Project (ENI E&P-Iraq) relative to the Rehabilitation Phase (RP) for the existing Zubair Mishrif Degassing Station (DGS) considering two different parts:

- a new plant, located in the immediate surrounding of the existing DGS, fully interfaced but working in complete autonomy
- revamping of the existing plant

Within the Project supported the Technical Managers both in Fano and in Vibo Valentia for the coordination of the engineering activities consisting of the issue of all the documents needed/requested for FEED phase (data sheets, PFDs, P&IDs, project procedures, equipment summary, BOQ, etc.).

Moreover, was involved as Interface Manager to coordinate/align the engineering activities done by Fano engineering team and that done by Vibo Valentia engineering team.

**July 2009 – August 2010**

**Rome & Val D'Agri site**

**Client: ENI E&P**

**Project Name: Val D'Agri Debottlenecking Phase 1 (DBN 1 & FEED) and Additional activity**

**Role: Technical Manager at site/ Process Coordinator**

In the considered period, took part in Val D'Agri Debottlenecking Phase 1 (DBN 1 - FEED) and Additional activity consisting mainly in enhancement and development COVA.

The main process units are Wellhead facilities, Inlet Separation, Oil Stabilization, Gas Sweetening (MDEA), Gas Dehydration (TEG), HC dew point control, gas compression, Sulphur Recovery Unit (Enrichment acid gas, CLAUS, SCOT and tail gas treatment sections), Utilities.

Within the Project was responsible for the coordination of the engineering activities at site consisting of the issue of all the documents needed/requested for FEED phase (data sheets, PFDs, P&IDs, project procedures, equipment summary, BOQ, etc.).

Moreover, was involved to coordinate Process activities, to solve technical criticalities, to coordinate technical internal meeting and to manage technical meetings with Client.

**March 2009 – June 2009**

**Fano (Italy)**

**Client: TOTAL E&P**

**Project Name: Kharyaga Phase III Development Project (EPC proposal)**

**Role: Technical Manager**

In the considered period, took part in Kharyaga Phase III Development Project (Total E&P – Russia) consisting in plant upgrading by drilling of new wells, increase of oil and water production up to 30kbpd and 60kbwpd respectively. Disposal of gas to stop flaring, entailing gas treatment, compression and export to the Lukoil transportation network. New facilities will include Gas Sweetening Unit, Gas Dewpointing unit, Dehydration and mercaptan removal facilities.

Within the Project was responsible for the coordination of the engineering activities consisting of the issue of all the documents needed/requested for bidding phase (data sheets, PFD, project procedures, equipment summary, BOQ, etc.).

*Period:* from December 2007 to February 2009  
*Position/Role:* Senior Process Engineer  
*Company:* Saipem *Department/Unit:* PROTEC  
*Area:* Process  
*Country/Location:* Italy (Rome)

*Main tasks performed and related context:*

In the considered period, took part in Qafco 5 Project (QAFCO – Qatar) relative to the construction of a new plant consisting of the followings:

- two complete Ammonia Plants with design capacity 2200 t/d each,
- a complete Urea plant with front end design capacity 3800 t/d
- a Granulation Plant with design capacity of 3850 t/d,
- a new 85 t/d UFC-85B Plant and all relevant utilities.

Within the Project was responsible for the coordination of the process group with the purpose to the design of the following:

- Instrument and Working Air System
- Nitrogen System.

The process activities consisting of Instruments and Working Air system design; Nitrogen system design; MSDs, PFDs and P&IDs issue; Cause & Effect Diagrams; Hazop and SIL; Packages follow-up.

*Period:* from September 2001 to November 2007  
*Position/Role:* Process Engineer  
*Company:* Ecos Group *Department/Unit:* Process  
*Area:* Process  
*Country/Location:* Italy (Rome/Milan)

*Main tasks performed and related context:*

In the considered period, took part in several projects listed here below as Process Engineer. Within these projects was involved in process activities consisting of the design of equipment, pumps, valves (control, safety, etc.), P&IDs issue; Cause & Effect diagram; Hazop and SIL, etc.

**March 2006 – November 2007**                      **Rome c/o Snamprogetti Rome office**  
**Project Name: "Olo-Kola" LNG Project (FEED)**  
Role: Senior Process Engineer

**October 2005 – February 2006**                      **Milan c/o Snamprogetti Milan office**  
**Project Name: "Ruwais" NGL Plant (EPC)**  
Role: Process Engineer

**July 2005 – September 2005**                      **Rome c/o Technip Italy Rome office**  
**Project Name: "Yanbu" Ethylene Plat (EPC)**  
Role: Process Engineer

**February 2005 – June 2005**                      **Rome for Snamprogetti Rome**  
**Project Name: "El Fayrouz" Gas Plant Revamping (FEED)**  
Role: Process Engineer

**October 2004 – January 2005**                      **Rome for Technip Italy Rome**  
**Project Name: Revamping Bitumen Storage and Off-loading Plant API Falconara Italy (EPC)**  
Role: Process Engineer

**April 2004 – September 2005**                      **Rome for Technip Italy Rome**  
**Project Name: ZYQAD Implementation**  
Role: Customization and development

**July 2003 – March 2004**                      **Rome for Milazzo (RaM) Refinery Italy**  
**Project Name: Revamping FCC/Gas Concentration & Alkyltion Units (FEED)**  
Role: Process Engineer

**January 2002 – June 2003**                      **Rome for Technip Italy Rome**  
**Project Name: Berry Gas Plant Sulfur Recovery Unit (EPC)**  
Role: Process Engineer

**September 2001 – December 2001**                      **Rome for Snamprogetti Milan**  
**Project Name: South Pars Project (EPC)**  
Role: Process Engineer

<i>Period:</i>	from September 1999 to August 2001	
<i>Position/Role:</i>	Mechanical Engineer	
<i>Company:</i>	Ingg. Grossi & Speier	<i>Department/Unit:</i>
<i>Area:</i>	Engineering	
<i>Country/Location:</i>	Italy/Morocco/France	

*Main tasks performed and related context:*

In the considered period, took part in several projects listed here below as Mechanical Engineer. Within these projects was involved in the design of HVAC and Fire & Fighting systems and to coordinate/follow-up the construction activities at site. Moreover was involved to solve technical criticalities, to coordinate technical internal meeting and to support PM/TM during technical meeting with Client.

**May 2000 – August 2001**                      **c/o STMicroelectronics site (France)**  
**Project Name: HVAC & Fire Fighting activities for STMicroelectronics 8" Plant (Bid + EPC)**  
Role: Mechanical Engineer/Interface Manager

**January 2000 – April 2000**                      **c/o STMicroelectronics site (Morocco)**  
**Project Name: HVAC & Fire Fighting activities for STMicroelectronics Casablanca Plant (EPC)**  
Role: Mechanical Engineer/Interface Manager

**September 1999 – December 1999**                      **Milan**  
**Project Name: HVAC & Fire Fighting activities (Bid + FEED)**  
Role: Mechanical Engineer

**Section B****ATTENDANCE TO COMMITTEES**

*Period:* from .././.... to.././....

*Committee designation:* .....

*Role:* .....

**Section C****OFFICES HELD**

<i>from:</i>	<i>to:</i>	<i>Office held:</i>	<i>Company:</i>	<i>Country/Location:</i>
.././....	.././....	.....	.....	.....

**Section D****ASSOCIATION MEMBERSHIP**

<i>Association:</i>	<i>Role:</i>	<i>Registration:</i>
ASCM (Association for Supply Chain Management)	Member	2019
UNUCI (Unione Nazionale Ufficiali in Congedo d'Italia)	Member	1996
ANC (Associazione Nazionale Carabinieri)	Member	1996

**Section E****LANGUAGES**

*Language:* Italian level: Native language

*Language:* English level: Professional

*Language:* French level: Professional

*Language:* Portuguese level: Basic

## Section F

### TEACHING

*Subject:* .....

*Trainees:* .....

*Customer:* .....

*Period and location:* .....

## Section G

### PUBLICATIONS

*Title:*.....

*Publication date:*.....

*Type:*.....

*Editor/Newspaper:*.....

## Section H

### CERTIFICATIONS

*Subject:* Certified Supply Chain Professional (CSCP)

*Area:* Supply Chain Management

*Registr. date:* 15-May-2021

*Owner:* APICS Certification Committee

## Section I

### TRAINING

*Course:* Certified Supply Chain Professional (CSCP)

*Institution for training:* APICS-ASCM (by JPS)

*Period and location:* 2019 (Rome)

*Course:* Total Project Management

*Institution for training:* Eni Corporate University (ECU)

*Period and location:* 2009, 2013 and 2014 (Rome and Milan)