

# STATEMENT OF QUALIFICATION

(JANUARY 2018)

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## STATEMENT OF QUALIFICATION

### i. Core Business and Number of Years in Business

SIMECO is an engineering and contracting firm established in 1984, having their headquarters at Via Romilli, 22 - Milano, Italy.

Other SIMECO operating offices are SIMECO Systems d.o.o. (Gradacacka 29B, 71000 Sarajevo -Bosnia i Hercegovina) and SIMECO GCC Regional Office (Suite 32, Petrodar Tower, Seed District, Kingdom of Bahrain).

SIMECO provide multidiscipline engineering and project management services for Oil & Gas plants (On-shore/Off-shore, Upstream, Downstream/Refining), Pipelines, Petrochemical & Chemical plants, Power plants.

The engineering services provided by SIMECO include:

- Feasibility Studies and Cost Estimates
- Conceptual Design
- Basic Engineering Design
- Front End Engineering and Design (FEED)
- Project Management
- Project Management Consultancy
- Owner's Engineering Services
- Risk Analysis and HSE Reports
- Detail Engineering
- Procurement Services
- Expediting and Inspections
- Construction Management & Site Supervision
- Commissioning
- Assistance to Plant Start-up and Operation
- Operative Maintenance

SIMECO present workforce is approx. 300,000 manhours/year (177 engineers and technicians operating on a full time equivalent basis). Sub-contracting agreements with qualified engineering firms account for additional 100,000 manhours/year managed by SIMECO for a total capacity of approx. 400,000 manhours/year.

SIMECO present workforce in the specific area of Process Technologies is approx. 50,000 engineering manhours/year performed through a staff of more than 30 engineers and consultants.

SIMECO provides specific expertise, know-how and solutions in brownfield projects. For instance, SIMECO has frame agreements with Eni Spa to provide process engineering service – with the main focus on feasibility studies, process optimization studies, technical assessment, preparation of extended Basic Design Package (BEDP) and cost estimate, etc... -

to all Eni group plants in Italy and worldwide. Most of the projects deal with troubleshooting and debottlenecking of existing process units, energy savings, and identification of technical solutions for operational improvements. The original two years contract was extended for additional two years thanks to the excellent track record achieved. SIMECO has been recently awarded a new three years contract valid until 2019.

Agreements for process engineering services and project management services are presently in force with SARLUX (Sarroch Refinery) and RAM (Milazzo Refinery).

In the midstream sector, frame agreements for engineering services, including operative maintenance, have been in force with URS (now AECOM) for Adriatic LNG (a JV between Exxon Mobil, Qatar Gas and Edison) for the offshore LNG Regasification Terminal in the Northern Adriatic Sea (Italy) and with Trans Mediterranean Pipeline Company (TMPC) for the Transmed Pipeline between Cape Bon (Tunisia) and Mazara del Vallo (Italy) (see paragraphs viii and ix).

Further to be a provider of engineering services, SIMECO is a Main Contractor for EPC projects boasting recent experiences in revamping and debottlenecking of refinery units (see following par. vii). Services provided covers up to commissioning, assistance to plant start-up and operation.

SIMECO's affiliate company Streamline Engineering Srl specializes in basic design of pipelines.

## **ii. Recent reference on Refining (Engineering Services)**

Please find here below a list of selected recent reference relevant to pre-feasibility/feasibility studies, process studies, basic engineering design, FEED and detail design of refinery units.

Client: RAM (Raffineria di Milazzo)

- **FEED for FODS Project Site Preparation, 2017 – in progress**

The Scope of Work includes the preparation of FEED for site preparation works (including flare relocation, tanks dismantling, design and construction of a new electrical substation, ...) for the FODS Project. FODS is large investment project, consisting in the installation a new Solvent Deasphalting Unit, n.1 Asphalt Gasification Unit and n.1 Air Separation Unit, with the purpose to convert the Fuel Oil produced at the refinery into hydrogen and distillates.

- **Project Management Consultancy Services for FODS Project, 2016-in progress**

The scope of the PMC services is to provide consultancy to RaM for project management and process design related to FODS (Fuel Oil Destruction) Project. The FODS Project include the installation of n.1 new Solvent Deasphalting Unit, n.1 Asphalt Gasification Unit, n.1 Air Separation Unit, as well as the revamping of the

existing utilities and offsites systems (i.e. blow down, tank farm, electrical substation, ...).

- Feasibility Study and Basic Design Package for a New Flare, 2016

The scope of the project was the identification of a suitable location for the installation of a new refinery flare to replace the existing one and to develop the relevant Basic Design.

- Basic Design Package for a new 10,000 BPSD Naphta Hydrotreating Unit (HDT-3), 2015

The scope of the Basic Design Package is a new naphtha hydrotreating unit named HDT-3. HDT-3 will produce 450,000 tons per year of hydrotreated Naphtha containing less than 0.5 ppmw of sulphur and 24,000 tons per year of olefin saturated LPG with target specification Pro Isomerization.

The plant will include an existing refurbished hydrotreating reactor, new feed pumps, heat exchangers in the preheating trains, fired heater, tree-phase separators, reboiled stripper distillation tower, associated utilities, LPG and off-gas amine gas treating packages, recycle / make-up gas compressor package and control systems.

- Front End Engineering Design for the Revamping (from 2400 to 4000 t/day) of the existing Kerosene Hydrodesulphurization Unit (HDS-1), 2013.

Client: SARLUX, Sarroch Refinery, Italy

- FEED for the New Vapour Recovery Unit (VRU), 2017-in progress.
- Feasibility Study for Replacement of Air-Preheaters at Power Generation Plant (CTE), 2017.
- Basic Design for Upgrading of Mercaptan Removal from Fuel Gas at Visbreaking Plant, 2017.
- Basic Design Package & FEED, New H<sub>2</sub>S Scrubber for Continuous Catalytic Reforming, 2016.
- Assessment of the whole refinery Blow Down Network, 2015-2017.
- Basic Design Package, FEED and Detail Design for various energy recovery projects, 2013 – 2017.
  - Energy integration between Mild Hydrocracking Unit (MHC) and Gasoline Etherification Unit (TAME)
  - Energy integration between Mild Hydrocracking Unit (MHC) and New Sea Water Desalination Plant (DAM)

- Energy efficiency improvement (replacement of Medium Pressure Steam with Low Pressure Steam) at Topping Unit (RT-2) and Sour Water Stripping Unit (SWS-3).
- FEED and Detail Design of the new oxygen line (6" x 600 m) to the FCC unit for Oxygen Enrichment System, 2014.
- Feasibility Study for a new scrubber for FCC flue gas desulphurization, 2014.
- Detail Design for the new Lean/Rich Amine transfer lines to Versalis, 2014.

Client: Pacific Future Energy Co., Canada

- Pre-Feasibility Study for a 200,000 BPSD Greenfield Refinery, British Columbia, 2014.

Pacific Future Energy is committed to build and operate the world's greenest refinery on British Columbia's north coast. PFEC believes it's in Canada's national strategic interest to gain access to international markets for Alberta's oil, especially the growing Asian market; the company believes it should not be done at the sacrifice of BC's coast or broader environment and must be done in full partnership with First Nations.

The facility will process bitumen from Alberta's oil sands into refinery fuels such as gasoline, kerosene, diesel and other distillates.

The Study addressed the implementation of the first train/module of the Refinery, processing 200,000 BPSD of Raw Bitumen.

The \$ 10 Billion Refinery will be built in modules, with each phase having a process capacity of 200,000 BPSD. The Refinery has the potential to increase the capacity to 1 MBPSD, if needed.

The main project bases/constraints driving the overall configuration of the refinery were:

- Greenest Refinery Ever: the complex will produce exclusively white products, i.e. no fuel oil nor coke will be produced. Effluents will be minimized through extensive water reuse and flue gas treatments.
- Target Market: the fast growing Far East countries (China, South Korea, ....) are the target market for the new Refinery.
- Near Zero Net Greenhouse Gas Emissions: CO<sub>2</sub> capture was foreseen to reduce greenhouse gas emissions and to comply with the most demanding BC's environmental requirements.
- No Diluted bitumen shipping: as the coast of British Columbia is one of the Canadian most vulnerable areas to marine oil spills any shipment of Dilbit will be avoided.

Client: United Petrochem, UAE

- Pre-Feasibility Study for a New Condensate Refinery, 2014.

The refinery feedstock is 100,000 BPSD of Sour Condensate containing high concentration of very highly odorous sulphur compounds (S content 2,500 ppmwt.), mainly mercaptans.

Condensate must be treated for removing sulphur compounds up to a maximum S content of 500 ppmwt.

The refinery scheme includes the following units:

- Condensate Hydrotreating
- Condensate Splitter
- H<sub>2</sub>S Removal Unit
- Amine Regeneration Unit
- Sulphur Recovery Unit & Tail Gas Treatment
- Hydrogen production

Client: SAIPEM (final Client: Petrobicentenario S.A a JV between Eni and PdVSA)

- Technology advisory services for the 350,000 BPSD heavy oil grass root refinery, 2013-2014.

Petrobicentenario is a grass root refinery designed to convert 8°API Extra Heavy Crude Oil EHO (Zuata type), produced in the Orinoco Oil Belt, into light products such as LPG, Naphtha and Euro 5 Diesel.

Refinery configuration was selected to maximize production of ultra low sulphur diesel, compliant with European grade EN 590 diesel specification. No residual fuel is produced. Delayed Coking technology is used to maximize conversion of vacuum residue.

Client: Dynergy (Final Client: Al-Masha'el Markmore, Bahrain)

- Feasibility Study for Sohar Bitumen Refinery, Sohar (Oman), 2010

The refinery is designed to convert 30,000 BPSD of Extra-Heavy/Heavy Crude Oil into bitumens of different grades.

Client: Saipem (Final Client: Northwest Redwater Partnership)

- FEED activities for the New Residue Hydrocracking Unit (LC Finer), Alberta, Canada, 2013- 2014.

Client: Eni Refining & Marketing Division, Livorno Refinery, Italy

- Front End Engineering Design for the revamping of the existing jetty LPG, gasoline, gasoil, and bitumen loading/unloading and transfer facilities, 2013
- Basic and Detail Design for Revamping of existing Furfural Plant to produce Treated Distillate Aromatic Extract (TDAE), 2014.

- Front End Engineering Design for the revamping of the Waste Water Treatment Plant, 2013 -2014
- Feasibility Study and FEED for TDAE (Treated Distillate Aromatic Extract) Plant, 2012-2013
- Feasibility Study for Implementation of Bitumen Production, 2011
- Study for VOC (Volatile Organic Compounds) recovery from Bitumen Plant, 2011
- Energy Saving Analysis of the Motor Fuel Plant, 2011
- Feasibility Study for Flare Gas Recovery, 2011
- Assessment of the combustion efficiency of the refinery flare, 2011

Client: Eni Refining & Marketing Division, Sannazzaro Refinery, Italy

- Hydraulic Study of the Cooling Water Network for debottlenecking, 2014
- Front End & Detail Engineering Design of the new Hydrogen Plant based on Eni's proprietary SCR-CPO technology, 2012-2014
- Front End and Detail Engineering Design of the new Waste Water Treatment System for Water Reuse, 2011- 2013
- Feasibility Studies for the removal of SOx from the FCC regenerator flue gas, 2012-2013
- Process study for Energy Saving by optimization of the FCC unit feed preheating, 2012
- Feasibility Study for the replacement of existing Hot Oil System furnace, 2012
- Process Study for the optimization of the existing Condensate Recovery System, 2011
- Assessment of the Combustion Efficiency of the refinery flare, 2011
- Detail Engineering and Design of the new EST (Eni Slurry Technology) Plant (23,000 BPSD residue hydrocracker based on Eni's proprietary technology) (project carried out as Saipem engineering subcontractor), 2009-2012,

Client: Eni Refining & Marketing Division, Taranto Refinery (Italy)

- Hydraulic Study of the Cooling Water Network for debottlenecking, 2014.
- Basic Engineering Design for the optimization of Light Gas Oil recovery, 2012
- Basic Engineering Design for the new natural gas compressor of the existing Steam Reforming Unit, 2012
- Assessment of the combustion efficiency of the refinery flares, 2012
- Process Study for the optimization of the condenser of the existing Deisopentanizer tower, 2012

Client: Eni Refining & Marketing Division, Venezia Refinery (Italy)

- Basic Engineering Design for the optimization of the Light Gas Oil recovery, 2012
- Green Refinery Project – Technical Assessment of the existing Tank Farm for storage of raw vegetable oils and biodiesel and FEED of the relevant revamping, 2013-2014.
- FEED for the revamping of logistic assets, 2013-2014.

Client: Raffineria di Gela (Gela Refinery), Gela (Italy)

- Basic Design and Detailed Design for the installation of new Ultra Low NOx Burners on all refinery fired heaters, 2013.

Client: IES Italiana – MOL group, Mantua Refinery (Italy)



- Feasibility Study for the revamping of the refinery Railway Unloading Terminal, 2014.

### iii. Recent reference on Oil & Gas Upstream Projects (Engineering Services)

Client: ABB (Final Client: Sonatrach)

- FEED for revamping of production satellites at Hassi Messaoud Field, Algeria, 2014-2015

Existing installations at Hassi Messaoud dates back to the early '70s. An extensive revamping is required to replace old equipment and to improve the oil and gas recovery efficiency. The project scope includes the revamping of the flowlines, installation of new equipment for gas/oil/water separation and new export lines to the processing facilities.

Client: ABB (Final Client: ETAP & OMV Tunisie)

- Multidisciplinary Detail Design for Nawara Gas Treatment Plant, Tunisia, 2015-2016

ABB is responsible for the turnkey delivery of the Nawara Gas Treatment Plant (GTP) including gas separation and Liquefied Petroleum Gas (LPG) extraction units. The GTP will separate commercial natural gas from propane, butane and LPG used in many industrial, commercial and manufacturing applications. The overall project includes Central Processing Facilities at the Nawara well site, a 370km long pipeline and a Gas Treatment Plant with a design capacity of 2.7 million standard cubic meters per day. Plant design philosophy is based on extensive modularization in order to save on construction time.

Client: Eniprogetti (former Tecnomare)/Eni SpA

- Process Study for debottlenecking Acid Gas Removal Unit, Sulphur Recovery Unit and Tail Gas Treatment, Zohr Project, Egypt, 2017.
- FEED activities (Electrical & Instrumentation), Sour Gas Liquids Treatment Project, Karachaganak, Kazakhstan, 2016.
- FEED activities (Electrical & Instrumentation) for Early Production Platform, Nene Project, Congo, 2014.

Client: Saipem/Eni SpA

- FEED activities for Zohr Development Project at Port Said, Egypt, 2015-2016

Zohr Development Project consists of new Greenfield gas processing facilities with nominal 2700 MMSCFD of Feed Gas capacity at Zohr site in Port Said Governorate. The Zohr Development Project will be developed into four (4) Phases:

- Phase 01, Zohr Onshore – Phase 01, nominal 1400 MMSCFD Feed Gas at 80 barg;

- Phase 02, Zohr Onshore – Phase 02, nominal 2700 MMSCFD Feed Gas at 80 barg;
- Phase 03, Zohr Onshore – Phase 03, nominal 2700 MMSCFD Feed Gas at 80 barg, testing at 24 barg;
- Phase 04, Zohr Onshore – Phase 04, nominal 2700 MMSCFD Feed Gas at 24 barg.

Scope of Work includes all the processing units, utilities, offsites and infrastructure necessary to develop the ZOHR Onshore - Phase 01 plus the required pre-investments for future expansion phases.

The sales gas from the Plant will be sent to the Egyptian distribution sales network of the near El Gamil Plant. The stabilized condensate will be sent to the storage facilities of the near El Gamil Plant. The sulphur will be produced in pastilles; the warehouse is designed for n.1 year storage. The regenerated MEG (i.e. the Lean MEG), is recycled back to offshore facilities.

- Detailed Design activities (Instrumentation & Automation) for EPC2, EPC3, EPC4 (Offshore Drilling/Production Clusters), Kashagan Field, Caspian Sea, Kazakhstan, 2013-2014.
- FEED of Zubair Degassing Station(DGS) at Zubair Field, Iraq, 2011.

Zubair DGS is one of n. 5 Degassing Stations included in the Zubair Oil Field Development Project (the others being: Zubair Mishrif, Hammar, Hammar Mishrif and Rafidya-Safwan).

The Zubair field - being developed by Eni with Occidental Oil Co., Korean Gas and Missan Oil Company has an estimated production capacity of 1,200,000 BOPD. Zubair is a “brown field” project involving the realization of new plants as well as the revamping of existing unit.

The FEED developed by Simeco has been used as the base case for the development of the other n.4 DGS FEED.

Client: Eni Spa E&P Div.

- FEED and Cost Estimate (+/- 15%) for n.3 Gas Platforms, Offshore Adriatic Sea, Italy, 2010-2011.

Platforms characteristics are as follows:

FAUZIA PLATFORM: 12” export sealine; n° 2 wellheads double completion; 3-legs jacket

ELETTRA PLATFORM: 8” export sealine; n° 1 wellhead double completion; 3-legs jacket

BENEDETTA PLATFORM: 8” export sealine; n° 1 wellhead single completion; monopode

Client: Saipem Energy Services/Eni Spa E&P Div.

- Review of Basic Engineering Design Package of the Gas Oil Separation Plant (GOSP), Burun Oil Field, Turkmenistan, 2009.

The GOSP at Burun Oil Field had some trouble operations, i.e. sand carry over, clogging of filters by paraffines contained in the crude oil and HSE issues. Simeco Scope of Work was to carry out, on a very tight schedule, a review of the existing BDP developed by the previous Owner of the Oil Field in order to solve the operating problems. Each document of the BDP was reviewed. Several inconsistencies were identified and for each document a Comment Sheet was produced. Eventually, recommendations were provided to Company regarding the possibility to use the BDP as a basis for an EPC bid to de-bottleneck the Plant.

Client: Eni Oil Co. Ltd (Libyan Branch)

- Risk Analysis/Assessment Study for the Out of Service (Decommissioning and Dismantling) of Gas Sweetening Unit at DP4 Platform – Bouri Field, Libya, 2008-2009.

DP4 Platform produces oil and associated gas which is partially used as fuel (5mmscfd), the excess being flared.

The Fuel Gas Sweetening Unit located on DP4 platform was designed to produce the required fuel gas free from Hydrogen Sulphide. Since its commissioning the unit did not run properly resulting in high operation and maintenance cost. Since the materials of the Fuel Gas System were compatible with sour gas materials specifications, the issue to remove the unit to recover space for other Field's development installations was raised.

Therefore, to allow an effective and rational decision about re-commissioning or decommissioning and dismantling the Gas Sweetening Unit, a thorough Risk Assessment Study (including HAZID, HAZOP, Risk Analysis, Consequence Analysis, Toxic Gas Dispersion Study, Explosion Consequence Assessment, Fire Consequence Assessment and Environmental Assessment) was awarded to SIMECO. The study addressed the possible impact of untreated of gas with high concentration of H<sub>2</sub>S on:

- the operation of the equipment of the fuel gas system, i.e. heaters and Gas Turbines
- the environment
- personnel safety

An extensive constructability review was carried out to identify the most appropriate dismantling sequence of the existing unit to allow the simultaneous operation of the production platform.

Client: Eni Oil Co. Ltd (Libyan Branch)

- FEED of the Water Injection and Power Generation systems at El Feel Field, Libya, 2006-2007.

The Water Injection Plant (275,000 BWPD) consists of:

- Water Supply System, including Oil / Water separation by induced gas flotation, Filtration and Chemicals Injection Systems;
- Injection Water System, consisting of: Buffer Tank, Injection Water Booster Pumps, Injection Water Pump;
- Gathering System, consisting of n. 5 Trunk-lines up to 24"x 38 km.

The Power Generation Systems (50 MWe) consists of:

- n. 3+1 Heavy Duty Gas Turbines GE FR5-1 fed with either with Crude Oil (chemically treated for V inhibition) or Natural Gas;
- New dedicated Control Room;
- New dedicated Electrical Sub-Stations.

#### **iv. Recent reference on Chemical, Petrochemical, Fertilizers (Engineering Services)**

Client: Tecnimont

- Detail Design (instrumentation & automation, static equipment) for RAPID Polyethylene Project, Pengerang, Malaysia, 2016.
- Detail Design (instrumentation and F&G systems) for Kingisepp Ammonia Project, Indonesia 2016.

Client: Saipem

- FEED activities (piping design) for Spiritwood Nitrogen Plant and associated units, North Dakota, USA, 2014.

Spiritwood is a fertilizer factory producing 2,200 MTPD of Ammonia and 3,850 MTPD of Urea (3,850 MTPD) from Natural Gas.

- Detail Design for Dangote Ammonia/Urea/Granulation Plant, Nigeria, 2013.

Dangote plant will produce 7,700 MTPD of Granulated Urea from Natural Gas.

The ISBL consist of n.2 x 2,200 MTPD Ammonia Synthesis Units, n. 2 x 3850 MTPD Urea Synthesis Unit, n.2 x 3,850 MTPD Urea Granulation Units, Utilities (i.e. Steam, Power Generatio, Cooling Water System, Natural Gas System, Waste Water System,

Instrument & Plant Air System, Nitrogen System, Ammonia Storage, Bulk Urea Storage & Handling, Product Bagging and Truck Loading System, Administrative/maintenance buildings).

The OSBL include:

River Water Intake, Natural Gas Pipeline, Raw Water Pipeline and Temporary Jetty.

Client: Versalis, Sarroch Petrochemical Complex, Italy

- Process Study and Assessment of the Blow Down system after the installation of new process unit, 2013-2014.
- Basic Design of the New Flare Gas Recovery Unit, 2013.

Client: Versalis, Porto Marghera Petrochemical Complex, Italy

- Basic Design, FEED and Cost Estimate for the installation of n.2 x 150 t/h HP Steam Generators, 2011-2012.

Client: Versalis, Ravenna Petrochemical Complex, Italy

- Owner Engineering Services during construction phase of the revamping of the ETBE/Butene-1 Plant, 2014.

Client: Versalis

- Owner's Engineering Services during the FEED of the Elastomers Plants of Refinery and Petrochemical Integrated Development (RAPID) Project, Pengerang, Malaysia, 2012-2013
- Feasibility Study and Basic Design for a Commercial Demonstration Plant for production Tackifying Resins, Italy.

Client: Danieli Far East

- Detail Design of a Carbon Dioxide Removal Unit, Far East, 2011-2012.

Project scope was the implementation of the Detail Design, Procurement Services for Equipment & Bulk Material and the Home Office Project Management Services for the 10,000 Nm<sup>3</sup>/h Carbon Dioxide Removal Unit at a new iron ore reduction plant. The Unit, based on the Giammarco-Vetrocoke Hot Carbonate process technology, was extensively modularized in order to facilitate the erection activities by local labour.

Client: Saipem

- Detail Design for QAFCO 5 Fertilizer Plant, Mesaieed, Qatar, 2008-2009.

Simeco's project scope was the execution Multidiscipline Detail Engineering and Design services including CAD3D Model, TBE for Instrumentation, Analyzers and Electrical Materials.

The Plant consists of n. 2 complete Ammonia Plants (Licensor Haldor Topsoe A/S - design capacity 2 x 2,200 t/d) based on Steam Reforming of Natural Gas consisting of the following process systems:

Natural gas desulphurization; Process Air Compression; Steam Reforming of Natural Gas and Waste Heat Recovery; HT & LT Shift Converters; CO<sub>2</sub> removal by MDEA; Methanation; Syngas Compression; Ammonia Synthesis Loop; Ammonia Refrigeration; Purge Gas Scrubbing & Hydrogen Recovery; Process Condensate Stripper; Deaerator & BFW pumps;

along with the following infrastructure and site facilities:

Urea Storage (Capacity 160,000 t), Urea Product Handling System (Capacity 195 t/h), 132 kV Substation, Cogeneration Plant, Sea-water Multi-Cell Cooling Unit, Electro-chlorination Unit & Chemical Dosing System, Closed Cooling Water System, Potable Water System, Desalination Plant by TC/MED, Utility and Fire Fighting Water Systems, Waste Water Treatment Plant. Client: Saipem

- Detail Design for Enven 1.3 Project at Engro Fertilizers Co. (Daharki, Pakistan), 2007-2008.

Multidiscipline Detail Engineering Services including: CAD 3D Model, TBE of Ammonia Reciprocating Compressors & Pumps, Centrifugal Pumps.

The Plant consists of:

N.1 complete Ammonia Plant (Licensor Haldor Topsoe A/S; 2184 MTPD) based on Steam Reforming of Natural Gas consisting of the following process systems:

Natural gas desulphurization; Process Air Compression; Steam Reforming of Natural Gas and Waste Heat Recovery; HT & LT Shift Converters; CO<sub>2</sub> removal by MDEA; Methanation; Syngas Compression; Ammonia Synthesis Loop; Ammonia Refrigeration; Purge Gas Scrubbing & Hydrogen Recovery; Process Condensate Stripper; Deaerator & BFW pumps.

N.1 Urea Plant (Licensor Snamprogetti; 3835 MTPD) connected to existing facilities, such as Instrument Air, Plant Air, Steam Generation, Power Generation, Raw Water, Potable Water, Natural Gas Treatment and New Utilities Systems, i.e. Cooling Water Package, Process and Steam Condensate Recovery & Polishing, BFW, Raw Water Prefiltration, Steam Distribution, Power Distribution, Chemical Dosing and Unloading, Flares.

Client: Tecnimont

- Detail Engineering and Design services for NKNK Polyethylene Plant, Nizhnekhamsk, Russia, 2006-2007.

NKNK is a Polyethylene Plant based on the BASSELL Spherilene Process Technology. The plant annual capacity is 230,000 MTPY of HDPE, MDPE and LLDPR type. The units concerned by the performance of the engineering activities were: Polymerization Area, Extrusion Area, Alkyl Area, Homogenization, Bagging, Palletizing, Warehouse, Interconnecting & Pipe Racks, Effluent Basin, Purification, Propane Storage, Control Room and Substation, Valve House, Flare Area, Underground.

#### **v. Recent reference on Pipeline Projects**

The following projects carried have been carried out through our affiliate Streamline Srl (a company of Simeco group).

Client: Amec Foster Wheeler

- FEED of a 10 kmDN 20" slurry pipeline, Italy 2017.

Client: TECMA-Eni S.p.A.

- Feasibility Study for MAMBA Project, Sealines: 2×22"- 5×16"- 1×8", Mozambico, 2016-2017.
- Feasibility Study for In-Line Inspection, DN32" sealine, Italy, 2016.

Client: Eni S.p.A.

- Replacing of DN42" sealine coverage, Venice Refinery, Italy, 2016.
- Displacement Study for Pegli-Sannazzaro DN32" Pipeline, Italy, 2015.

Client: ExxonMobil

- In-line Inspection Optimization, Augusta Refinery, Italy, 2016.
- Hydraulic Study (Steady State and Transient), DN6"/8"/10"/12"pipelines, Treccate, Italy, 2016.

Client: API

- Hydraulic Study (Steady State and Transient) for Loading and Offloading operation, DN24" pipeline (Offshore/Onshore), Italy, 2016.

Client: IPLOM

- Hydraulic Study, sSafety System Design, StartUp and Shut Down Procedure, Multedo-Busalla DN16" pipeline, Italy, 2016.
- Pipeline displacement and refilling (Calculations, procedures, equipment definition and on field supervision), Multedo-Busalla DN16" pipeline, Italy, 2015.
- Spillage Analysis and definition of Motorized Valves location, Multedo-Busalla DN 8" & DN16" pipelines, Italy, 2014.
- Pipeline requalification (Hydraulic Study, Thickness and MAOP verification), Multedo-Busalla DN16" pipeline, Italy, 2010.

Client: ExxonMobil

- Hydraulic Study in Steady State and Transient State, Quiliano-Trecate DN20" pipeline, Italy, 2016.
- Hydraulic Study in Steady State and Transient State (Loading and Offloading), DN36" pipeline (Offshore and Onshore), Middle East, 2016.

Client: AIR LIQUID

- Oxygen Pipeline Cleaning Study (Pigging and vent simulation), Limito-Sannazzaro DN12" oxygen pipeline, Italy, 2016.

Client: EP

- Cleaning and abandonment procedures, Ostiglia-Sermide DN12" pipeline, Italy, 2016.

Client: SEAPAD

- Revamping and optimization of Kerosene and Virgin Naptha Bi-Directional Pipelines (DN12"-20"-28"), Italy, 2015.
- Hydraulic Analysis, Specification and Working Procedure, Pig Dislodging & Nitrogen Displacement, Ferrera-Fegino DN12" Pipeline, Italy, 2012.
- Hydraulic Study for Pipeline Requalification, Multedo-Fegino Pipeline, Italy, 2010.
- Basic design study for new pipeline booster pump, Multedo Booster Station, DN 28" Pipeline, Italy, 2010.



Client: Eni S.p.A. - R&M Div. & Oléoduc du Rhone S.A.

- Pipeline displacement (Calculations, procedures, equipment definition and on field supervision), Ferrera-Aigle DN20" Pipeline, Italy-Switzerland, 2015.

Client: TECMA & Ionicagas (Eni group)

- Simulation of sealines cleaning and Inspection, Sealine DN10"/14"/16", Crotone, Italy, 2014.

Client: TECMA & Air Liquid

- Oxygen Pipeline Cleaning Study, Castelnuovo-Lonato DN8" pipeline, Italy, 2014.

Client: AMEC Foster Wheeler

- Feasibility Study for EESTI Energia Pipeline Project, Sour semi-coke gas preparation and transportation, Estonia, 2014.
- DN 4" Flowline Water displacement study, Romania, 2014.

Client: IES

- Pipeline Displacement and Pressurization Study, Venice-Mantova DN10" pipeline, Italy, 2014.

Client: Eni S.p.A. - R&M Div.

- Sealine conversion from transport of "black" products to transport of "white" products (Hydraulic and Interface length analysis), DN42" pipeline, Venice, Italy, 2013.
- Pipeline Services - Pipeline Displacement and Pressurization Study, Italy, 2013.
- Feasibility Study (P&ID's, Equipment Sizing, Hydraulic Analysis) for kerosene pipeline, Genova-Sannazzaro DN12", (Italy), 2013.

Client: Amec Foster Wheeler (Final Client: MOL Group)

- FEED activities for pipeline conversion from transport of "black" products to transport of "white" products (P&ID, D/S and specification issue, Hydraulic analysis, Batch study ecc...), Venice-Mantova DN10", Italy, 2013-2014.

Client: TAMOIL

- Hydraulic Study in Steady State and Transient State, Cremona-Trecate DN6" Pipeline, Cremona (Italy), 2013.

Client: Eni S.p.A. – Venice Refinery

- Basic & FEED Engineering activities, Revamping of Venice Refinery, Interconnecting DN16"/30" pipelines, Italy, 2013.

Client: ICC

- Flow Assurance in Steady, Dynamic and Transient State with the scope to define the tests to be performed in the CO<sub>2</sub> Pilot Plant, DN4" Pipeline, Spain, 2013.

Client: Saipem

- Flow Assurance in Steady, Dynamic and Transient State (side by side comparison between results provided by OLGA and LEDA softwares), DN36" Sealine, Italy, 2013.

Client: Eni/PPC

- Hydraulic Analysis, Specification and Working Procedures, Ragusa – Mostringiano-Magnisi DN10"/24" pipelines, Italy, 2013.

Client: SIGEMI-Shell Italia

- Hydraulic Study in Steady and Transient State, Northern Italy Pipeline Grid DN10"/16", Italy, 2012.
- Detailed Engineering for Safety Valves Sizing and Installation, Italy, 2012.

Client: Eni S.p.A. - E&P Div. /PPC

- Basic Engineering (Flow Assurance, pipeline material and thickness definition, P&ID's, D/S) for new pipeline for the CO<sub>2</sub> re-injection, Pipeline Gela-Giaurone DN10", Italy, 2012-2013.

Client: TMPC

- Flow Assurance Study for Trans Mediterranean Pipeline, Sealine DN24", Tunisia, 2012.

Client: Technip

- Basic Design (P&ID's, Blow Down Study, Main Line Valves) for West Qurna 2 project, DN42" Oil and DN32" Gas pipelines, Iraq, 2011.

Client: Tecnomare/Eni Spa

- Pigging Philosophy for Congo Marine XII Block Litchendjili Gas Development Project, DN12" Pipeline, Congo, 2011.

Client: ABB

- Detail Design for El Merk Project, Flow Assurance, DN24"/12" pipeline, Algeria, 2011.

Client: NSP-Saipem

- Landfall design, P&ID, Pipe Sizing, Precommissioning and Commissioning Procedures for North Stream Project, Gas Sealines 2 x DN 48", Russia-Germany, 2008-2011.

Client: Tamoil

- Hydraulic and Batch Study for Products Re-Conversion, Trecate-Cremona DN6" Pipeline, Italy, 2011.

Client: Shell Italia-Tamoil

- Hydraulic and Batch Study for Pipeline Products Re-Conversion, Lacchiarella-Cremona DN6" pipeline, (Italy), 2011.

Client: Italgas Storage

- Conceptual design and Hydraulic Study for Cornegliano Laudense-Cervignano DN42" pipeline, Italy, 2011.

Client: Shell Italia

- Flow Increase Study San Quirico-Arquata-Lacchiarella DN10" Pipeline, Italy, 2011.
- Hydraulic Study for S. Quirico-Arquata-Lacchiarella DN10" Pipeline, Italy, 2010-2011.
- Nitrogen Displacement & Restart Project, S. Quirico-Arquata-Lacchiarella DN10" Pipeline, Italy, 2010.
- Hydraulic Study, S. Quirico-Arquata-Lacchiarella DN10" Pipeline, Italy, 2010.

Client: Porto Petroli Genova (POPEGE)

- Basic and Detail Design, Genova Loading System DN28" Pipeline, Italy, 2011.

Client: Eni/Tecnomare

- Pigging Philosophy for Hewett Gas Storage, Sealine DN32" Sealine, UK, North Sea, 2010.

Client: Eni S.p.A.- R&M Div. & Tamoil

- Hydraulic study, Batch study, Products interface length), Sannazzaro – Cremona DN22”/26” finished products pipeline, Italy, 2010.

Client: IES

- Nitrogen Displacement & Restart, Hydraulic study, Commissioning, Displacement Procedure for Venezia-Mantova DN10” Pipeline, Italy, 2010.

Client: Repsol/Heymo

- Basic & Detailed Engineering (Hydraulic Study, Thickness and MAOP definition, Pumping station Design), Cartagena-Puertollano DN14” Pipeline, Spain, 2007.

Client: Bonatti

- FEED & Detailed Engineering activities (P&ID, Equipment sizing, D/S and Specification issue) Bordolano Early Injection Project, Compression System Design, DN6”/8” pipeline, Italy, 2009.

#### **vi. Recent reference on Power Projects (Engineering Services)**

Client: Sarlux

- Basic engineering, cost estimate and scheduling for replacement of MV and LV switchgears and VSD fan motors (560 kW) in electrical substations, Sarroch Refinery, Italy, 2017.
- Detail Design of power grid modifications to supply 17.1 MW to the FCC blower, Sarroch Refinery, Italy, 2017.
- Detail Design for the self-supplying of South Plants (380 kV & 150 kV), Sarroch Refinery, Italy, 2017.
- Detail Design for new 150 kV electrical substation, North Plants, Sarroch Refinery, Italy, 2017.

Client: AMEC Foster Wheeler

- Electrical engineering for replacement of electrical equipment (34 MVA) inside electrical substations damaged by a fire at Versalis plant, Ragusa, Italy, 2016.

Client: E.ON.

- Preparation of Work Requisitions for dismantling / relocation of existing gas turbine and Material Requisition for n.2 new auxiliary boilers, 7,5 MW, Mira – Adria, Italy, 2013.

Client: Versalis

- Basic Design, FEED and Cost Estimate for the installation of n.2 x 150 t/h HP Steam Generators, Porto Marghera, Italy, 2011-2012.

Client: Enipower

- Basic Design Study and Cost Estimate for the New Steam Generator (200t/h), Ravenna, Italy, 2009.

Client: Enipower

- FEED activities, Cost Estimate (+/-15%), preparation of ITT documents for EPC and EPC Technical Bid Evaluation for the revamping of the existing Combined Heat & Power Plant 140 MWth, S. Donato Milanese, Italy, 2009.

Client: Enipower

- Detail Design for new Photovoltaic plant, 4 MW, Ferrandina, Italy, 2009.
- Detail Design for new Photovoltaic plant, 1 MW, Taranto, Italy, 2009.

Client: Siram (Veolia group)

- Conceptual Design and Cost Estimate for Biomass Power Plant, 14 MW, Augusta, Italy, 2009.
- Conceptual Design and Cost Estimate for Biomass Power Plant, 10 MW, Coniolo, Italy, 2009.

Client: Maire Tecnimont

- Basic Design for Biomass Power Plant, 17 MW, Olevano Lomellina, Italy, 2008.
- Basic Design and Piping Detail Design for the new Coal Fired Power Plant, 370 MW, Puerto Coronel, Chile, 2007.

Client: Eni S.p.A. – Div. R&M

- Basic Design and Detailed Design for the installation of new Power Generation Unit, 3,5 MW, Robassomero, Italy, 2007.

Client: Eni Oil Company (Libyan Branch) (now Mellitah Oil & Gas B.V.)

- FEED of the Water Injection and Power Generation systems at El Feel Field, 50 MW, Libya, 2006-2007.

Client: Eni S.p.A. / NAOC

- FEED including Preparation of ITT documents for EPC and EPC Technical Bid Evaluation for Okpai Power Plant expansion from 480 MW to 960 MW, Nigeria, 2004.

Client: Eni S.p.A. / NAOC

- FEED including preparation of ITT documents for EPC and EPC Technical Bid Evaluation for the Okpai community Power Generation Plant, 3 MW, Nigeria, 2004.

Client: EnelPower

- Detail Design for Combined Heat & Power Plant, 100 MW, Castleford, United Kingdom, 1999.

#### **vii. Recent reference on EPC Contracts**

Here below is a list of SIMECO recent reference relevant to EPC Contracts:

Client: RAM, Milazzo Refinery (Italy)

- EPC contract on a Fixed-Lump Sum and Turn-Key Basis for the revamping of the existing Kerosene Hydrodesulphurization Unit (HDS-1), including Pre-commissioning, assistance to Client during Commissioning and Operation up to Final Acceptance, 2014-2016.

Contract Value: 16 M€

(See Main Projects 2001-2017; Slide # 3)

Client: ENI S.p.A. Refining & Marketing Div, Sannazzaro Refinery (Italy), 2011-2013

- EPC contract on a Fixed-Lump Sum and Turn-Key Basis for installation of a Clarified Oil Vacuum Distillation and Filtration System on the existing FCC Plant including Process Design, Detail Design and Engineering, Procurement, Construction, Pre-commissioning, assistance to Client during Commissioning and Operation up to Final Acceptance, supply of spare parts during the warranty period (2 years operation), 2011-2013.

Contract Value: 14 M€

(See Main Projects 2001-2017; Slide # 6)

Client: ENI S.p.A. Refining & Marketing Div., Taranto Refinery (Italy)

- EPC contract on the Fixed-Lump sum and Turn-Key Basis for the installation of a new Electrically Traced Liquid Sulfur Transfer Line (4" x 1 km by skin effect electrical tracing technology) including Process Design, Detail Design and Engineering, Procurement, Logistics, Construction, Pre-commissioning, assistance to Client during Commissioning and Operation up to Final Acceptance, supply of spare parts during the warranty period (2 years operation), 2010.

Contract Value: 1,1 M€

(See Main Projects 2001-2017; Slide # 10)

Client: ENI S.p.A. Refining & Marketing Div., Sannazzaro Refinery (Italy)

- EPC contract on the Fixed-Lump sum and Turn-Key Basis for the installation of a new dehydration and hydroisomerization unit of a C4 butylenic stream, including endorsement of Process Design Package, Detail Design and Engineering, Procurement, Logistics, Construction, Pre-commissioning, assistance to Client during Commissioning and Operation up to Final Acceptance, supply of spare parts during the warranty period (2 years operation), 2008-2009.

Contract Value: 8,5 M€

(See Main Projects 2001-2017; Slide # 15)

Client: Polimeri Europa, Sarroch Petrochemical Complex (Italy), 2008-2009

- EPC contract on the Fixed-Lump sum and Turn-Key Basis for the installation of new API separators covering system and cryogenic unit for VOC recovery including Process Design, Detail Design and Engineering, Procurement, Logistics, Construction, Pre-commissioning, assistance to Client during Commissioning and Operation up to Final Acceptance, supply of spare parts during the warranty period (2 years operation).

Contract Value: 6,0 M€

(See Main Projects 2001-2017; Slide # 17)

Client: RAM, Milazzo Refinery (Italy), 2005 (Phase 1) – 2008 (Phase 2)

- EPC contract on the Fixed-Lump sum and Turn-Key Basis for the replacement of existing crude oil loading arms (Phase 1: 4 x 16"; Phase 2: 4 x 16) at refinery jetty, including Detail Engineering and Design, Procurement, Logistics, Construction, Pre-commissioning, assistance to Client during Commissioning and Operation up to Final Acceptance, supply of spare parts during the warranty period (2 years operation).

Contract Value: 5,6 M€ (Phase 1 + Phase 2).

(See Main Projects 2001-2017; Slide # 25)

#### **viii. Engineering services for LNG Regassification Terminal**

For Adriatic LNG (Offshore Regassification Terminal, Adriatic Sea, Italy), SIMECO has provided secondment of personnel within Client Team and approx. 30,000 engineering manhours per year for new projects dealing with improvement of operation and maintenance:

- Detail Engineering for LV electrical distribution revamp
- Front-End Engineering Design services for a new High-Pressure Air Compressor (HPAC) System for Wobbe Index correction of the Send Out Gas.
- Feasibility study and concept selection for a new Nitrogen Storage and Injection System for Wobbe Index adjustment into the ALNG onshore pipeline.
- Definition of a full Black Start philosophy of the Terminal.
- Feasibility Study for Boat Landing Modifications.
- Feasibility Study for Potable Water UV Treatment.
- Feasibility Study for installation of smoking cabins at selected locations.
- Feasibility Study for the upgrading of the flow measurements on the HP and LP flares.
- Detail Engineering of the enclosure to protect the Custody Transfer Sampling Skid (CTSS) to be installed on the platform.
- Front End Engineering Design for the new Waste Water Treatment Plant.

Activities dealing with maintenance engineering and operative maintenance carried out by SIMECO personnel seconded at Terminal, included:

- N. 3 Gas Turbines (11 MW/each) ESD (Emergency Shut Down) reduction study and implementation through:
  - Enclosure water leakage sealing system improvements
  - Enclosure Ventilation enhancement
  - Exhaust damper system verification and improvements to reduce closing time.
  - Anti-icing thermal probes installation in a more suitable position



- Verification of Oil/water cooler and extension for actual needs fulfillment
- Planned maintenance timing verification
- Installation of a new Back-Up Air Compressor driven by a diesel engine (186 kW) including:
  - Installation compliance study
  - SS piping routing study for connection to General Instrumentation Air system and to Emergency Diesel Generator / Detail installation Study
  - Verification of installation compliance with technical, safety and environmental protection best practice
- Sewage Emergency Transfer Pump to ship including:
  - Mechanical equipment installation detailed design
  - Electrical feeder line: detailed design follow-up and installation supervision.
- Installation of a Diesel Fuel Delivery Station with branching from Diesel Day Tank and Air Driver Pumping Station.
- Oil sampling points improvements, oil sampling methods specification, oil analysis data screening and machines conditions evaluation.
- Supervision to vibration monitoring activities for main mechanical equipment failure advance alert.
- Maintenance and upgrading of HW & SW of Yokogawa control systems (DCS, ESD, F&G systems), including:
  - DCS graphic pages: review and upgrade alarms display.
  - Fire and Gas system: Cause & Effect testing.
  - F&G system: Detectors substitution.
- GPS timer for ICSS time synchronization: equipment substitution.
- LNG Open Rack Vaporizers: control logic modification.
- Glycol Water Pump: shut down logic upgrade.
- Plant Resource Manager (PRM): system configuration.
- GBS heating system: fiber optic leak detection and temperature monitoring maintenance.
- Instruments: maintenance and replacement.
- Modification of the HVAC feeding of the block valve station, to avoid the service interruption at starting.
- Modification of the protections system in the metering station, by means of integration with TA to avoid protections trip by false current.

Management of spare parts at the Terminal is carried out by SAP.

#### **ix. Engineering services for Transmed Pipeline**

The Scope of Services of the Frame Agreement for Operations Support at Transmed Pipeline Terminals in Cap Bon (Tunisia) and Mazaro del Vallo (Italy) started in 2010 included:

- Engineering support for day-to-day maintenance
- Engineering support for trouble shooting operational problems
- Engineering and Project Management for small-to medium modifications
- Execution of specialized activities as measurement, controls, tests
- Supervision, control and certification of services and supply provided by third parties
- Risk assessments

Projects related to day to day maintenance and troubleshooting operational problems carried out so far include, for instance, design and supervision to the installation of a new methanol injection plant for inhibition of hydrates and installation of bypass on control valves to allow a greater operational flexibility.

#### **x. Technical and Managerial Organization of the Firm**

The technical and managerial organization of SIMECO is represented in the attached Company Organization Chart (Attachment 1).

SIMECO's Quality Management System is certified by Det Norske Veritas for compliance with ISO 9001:2008 standard (Attachment 2).

SIMECO's Occupational, Health and Safety Management System is certified by Det Norske Veritas for compliance with BS OHSAS 18001:2017 standard (Attachment 3).

SIMECO holds a FPAL certificate (Achille's First Point Assessment of suppliers for the Oil & Gas Industry) for the following services (Attachment 4):

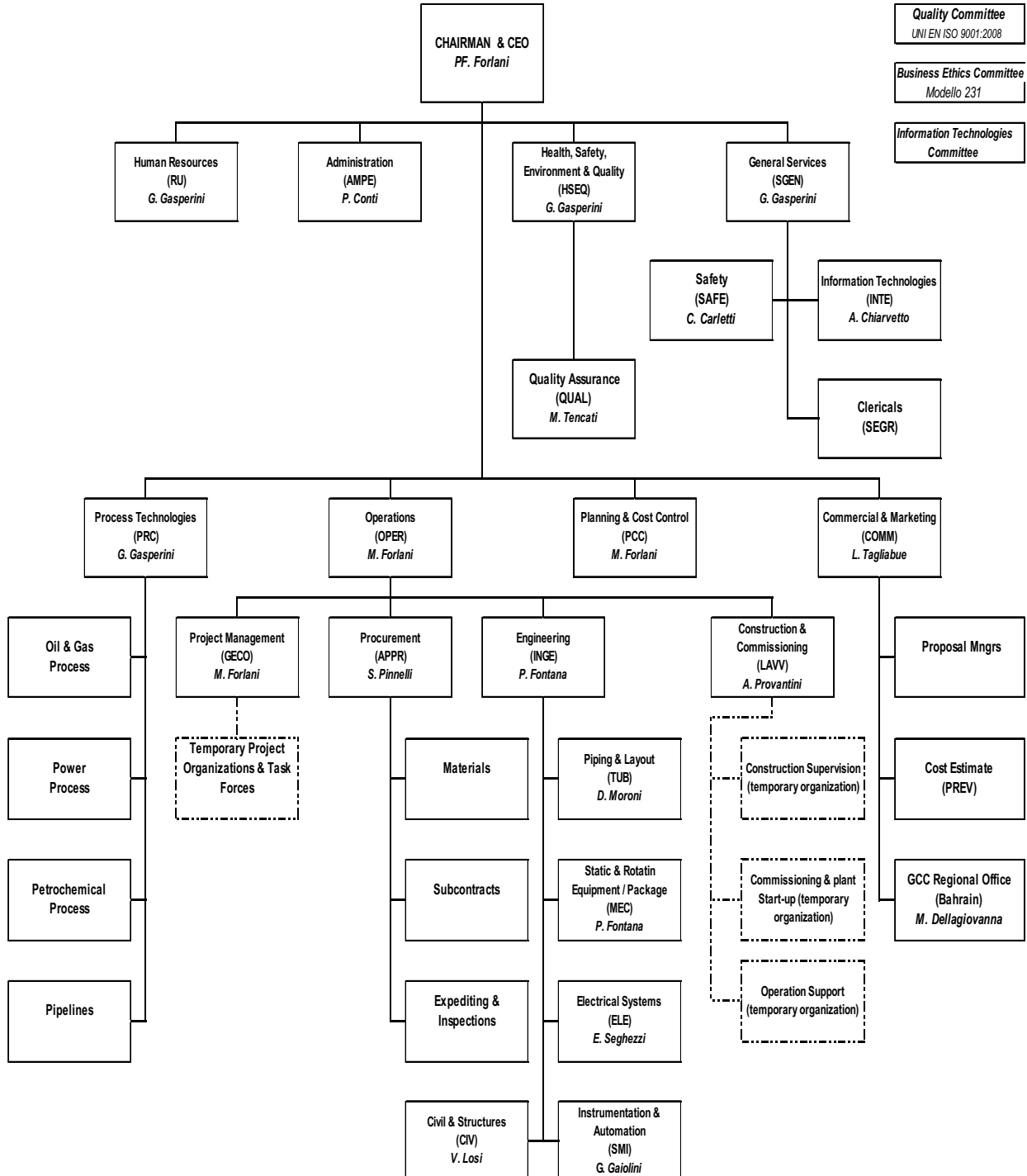
- Code 3.1.3 Process/Utilities/Piping/HVAC Services
- Code 3.1.4 Equipment/Mechanical Services
- Code 3.1.5 Electro/Control/Instrumentation Services
- Code 3.1.6 Pipeline Services
- Code 3.1.17 Construction Management and Supervision Services

SIMECO holds an A+ Credit Passport Rating issued by Credit Data Research (Attachment 5). Credit Passport Rating is calculated according to Risk Calc algorithm from Moody's analytics. A+ rating means the company credit is of High Quality.

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## ATTACHMENT 1

### SIMECO COMPANY ORGANIZATION CHART



ATTACHMENT 2  
SIMECO ISO 9001:2008 CERTIFICATE

DNV-GL

# MANAGEMENT SYSTEM CERTIFICATE

Certificato No./Certificate No.:  
CERT-07991-2001-AQ-MIL-SINCERT

Data prima emissione/Initial date:  
01 marzo 2001

Validità/Valid:  
24 ottobre 2015 - 15 settembre 2018

Si certifica che il sistema di gestione di/This is to certify that the management system of

**SIMECO S.p.A.**

Via Romilli, 22 - 20139 Milano (MI) - Italy

È conforme ai requisiti della norma per il Sistema di Gestione Qualità/  
has been found to conform to the Quality Management System standard:

**UNI EN ISO 9001:2008 (ISO 9001:2008)**

Questa certificazione è valida  
per il seguente campo applicativo:

**Progettazione polidisciplinare di base  
e di dettaglio di impianti chimici,  
petrolchimici, di raffinazione, di  
produzione energia, di oleodotti  
e gasdotti. Approvvigionamento di  
apparecchiature e materiali**

(settore EA: 34)

This certificate is valid  
for the following scope:

**Multidisciplinary basic and detailed  
design of chemical, petrochemical,  
refinery, power generation and of gas  
and oil pipelines.  
Equipment and material procurement**

(EA Sector: 34)

Luogo e Data/Place and date:  
Vimercate, 14 ottobre 2015



SCQ N° 003 A  
SGA N° 003 D  
SGA N° 004 F  
SGA N° 004 H  
SGA N° 004 P  
PMAS N° 009 P  
PRD N° 009 B  
PMS N° 004 C  
SSA N° 004 C  
Member of MIA FA per gli schemi di accreditamento  
SGQ, SGA, PRD, PMS, SSP, GKG, LAB e LAT, di MIA CAF  
per gli schemi di accreditamento SGA, SGA, SGA, SGA, SGA  
e PRD e di MIA ILAC per gli schemi di accreditamento  
LAB, PRD, LAT e SSP

Per l'Organismo di Certificazione/  
For the Certification Body

*[Signature]*

Vittore Marangon  
Management Representative

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/  
Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV GL Business Assurance Italia S.r.l. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 68 99 905. [www.dnvgl.it/businessassurance](http://www.dnvgl.it/businessassurance)

## SIMECO BS OHSAS 18001:2007 CERTIFICATE

# MANAGEMENT SYSTEM CERTIFICATE

Validità:/Valid:  
13 febbraio 2017 - 13 febbraio 2020

**(EA Sector: 34 - 28)**

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/  
 Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.  
 DNV GL Business Assurance Italia S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy, TEL:039 68 99 905, [www.dnvgli.it/assicurazioni](http://www.dnvgli.it/assicurazioni)

**ATTACHMENT 4**  
**ACHILLES'S FIRST POINT CERTIFICATE**



## Certificate of Registration

**Achilles First Point Assessment (FPAL)  
for suppliers to the Oil & Gas Industry**

**This is to certify that**

**SIMECO SPA**

**Company Registration Number: 1151784**

**Supplier Number: 10084483**

**is now fully registered as a supplier on  
the Achilles First Point Assessment Database  
for suppliers to the Oil & Gas Industry  
for the provision of products and services as detailed  
in their membership listing on [www.fpall.com](http://www.fpall.com)**



**Malcolm Wilson**  
FPAL Director

**Issued Date:**  
**01/08/2016**

**Expiry Date:**  
**28/07/2017**

Achilles First Point Assessment (FPAL)  
7 Burnbank Business Centre, Southerhead Road, Aberdeen, Scotland AB12 3LF, UK  
T: +44 (0)1224 337 533 F: +44 (0)1224 337 544 E: [fpal@fpal.com](mailto:fpal@fpal.com) W: [www.fpall.com](http://www.fpall.com)



## ATTACHMENT 5

### CREDIT PASSPORT ASSESSMENT

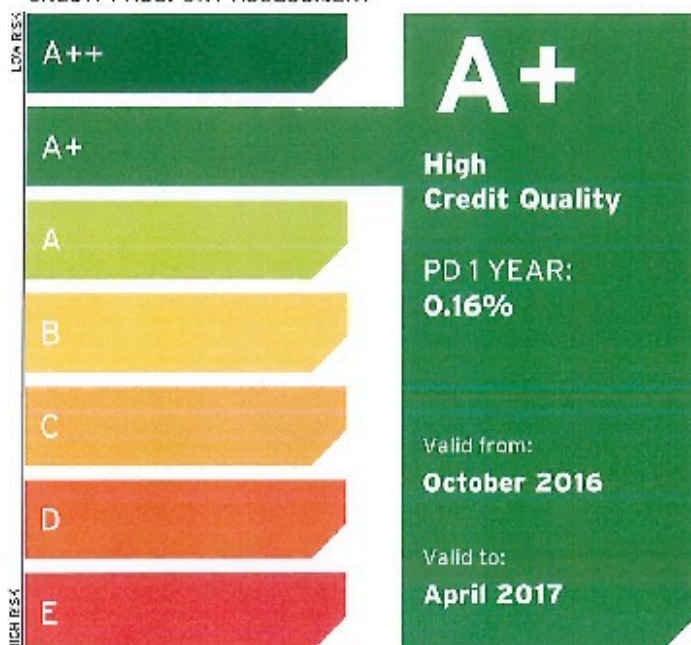
**CREDIT PASSPORT** by Credit Data Research Using RiskCalc from Moody's Analytics

**SIMECO S.P.A.**  
INCASSATION WITH  
BANCA POPOLARE DI SONDRIO

**A+**

## SIMECO S.P.A.

### CREDIT PASSPORT ASSESSMENT



A Credit Passport® assessment indicates a company's ability to conduct business without defaulting.

It is derived from a combination of factors, both historical and forward looking.

Credit Passport is the blend of two models that take into consideration behavioural information as well as financial. This blend makes the approach particularly solid when assessing short term liquidity as well as mid term creditworthiness.

The behavioural model is DefaultMetrics by Credit Data Research, the financial model is RiskCalc by Moody's Analytics.

A Credit Passport of "A+" means the company is of high quality.

### VERIFICATION CODE

This CREDIT PASSPORT is protected by an encrypted digital signature, meaning it cannot be altered or amended. If viewed in Adobe Acrobat Reader, you can see it has a recognised signature that is valid and linked to Credit Data Research. To further verify authenticity of this passport, visit [www.creditdataresearch.com](http://www.creditdataresearch.com) and enter the unique code and name below:

CO. No.: 07340390157  
AUTH: -nu2c5wkskk\_sobcaju25w

High Credit Quality **A+**  
VALID 19.10.2016 TO 19.04.2017

Scan QR code or click to verify: