

# Reference List

# SIMECO

## REFERENCE LIST 2000-2017

Version: Rev.1



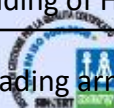
# Reference List – 2017

Client	Project / Location & Services
SARLUX	Feasibility Study for Replacement of Air-Preheaters at Power Generation Plant (CTE), Sarroch Refinery, Italy
SARLUX	Basic Design for Upgrading of Mercaptan Removal from Fuel Gas at Visbreaking Plant, Sarroch Refinery, Italy
ISAB LUKOIL	Basic Design Package for Revamping of the existing Water Treatment Plant (TAS), Priolo Refinery, Italy
SARLUX	Basic engineering, cost estimate and scheduling for replacement of MV and LV switchgears and VSD fan motors (560 kW) in electrical substations, North Plants, Sarroch Refinery, Italy
SARLUX	Detail Design of power grid modifications to supply 17.1 MW to the FCC blower, Sarroch Refinery, Italy
SARLUX	Detail Design for the self-supplying of South Plants (380 kV & 150 kV), Sarroch Refinery, Italy
SARLUX	Detail Design for the new H2S Removal Tower, CCR Plant, Sarroch Refinery, Italy
SARLUX	Detail Design for replacement of reforming reactors and heaters manifolds, CCR Plant, Sarroch Refinery, Italy
SARLUX	Process Study for Debottlenecking of Cooling Water Network, South Plants, Sarroch Refinery, Italy
RAM	FEED for Fuel Oil Destruction (FODS) Project Site Preparation Works (Tanks dismantling, Flare relocation, New Electrical Substation,...), Milazzo Refinery, Italy
ENIPROGETTI	Process Study for debottlenecking of Acid Gas Removal Unit, Sulphur Recovery Unit and Tail Gas Treatment, Zohr Project, Egypt
CASALE	Multidisciplinary Engineering Services (Electrical, Machinery, Piping) for Metafrax Project (Ammonia/Urea/Melamine Complex), Russia



# Reference List – 2016

Client	Project / Location & Services
RAM	Project Management Consultancy Services for Fuel Oil Destruction (FODS) Project at Milazzo Refinery, Italy
SARLUX	Detail Design for energy integration between Mild Hydrocracking Unit (MHC) and Gasoline Etherification Unit (TAME), Sarroch Refinery, Italy
SARLUX	Detail Design for new 150 kV electrical substation, North Plants, Sarroch Refinery, Italy
BIO-ON	Feasibility Study for 1,500 MTPY Polyhydroxyalkanoates (PHA) bio-plastic production plant from glycerol feedstock, Italy
AMEC Foster Wheeler	Electrical engineering for replacement of electrical equipment inside electrical substations (power: 34 MVA) damaged by a fire at Versalis plant, Ragusa, Italy
RAM	Feasibility Study and Basic Design for relocation of existing Flare, Milazzo Refinery, Italy
SARLUX	Basic Design and FEED for new H <sub>2</sub> S Removal Tower, CCR Plant, Sarroch Refinery, Italy
TECNOMARE/ENI	FEED for Karachaganak Sour Gas Liquids Treatment Project, Kazakhstan
TECNIMONT	Detail Design for HDPE Plant, RAPID Project, Malaysia
SARLUX	Basic Design for upgrading and revamping of existing Blow-Down and Flare system, Sarroch Refinery, Italy
SARLUX	Basic Design and Services for upgrading of H <sub>2</sub> S Removal System (Amine System), Sarroch Refinery, Italy
SARLUX	Detail Design for replacement of loading arms at North Plants Marine Terminal, Sarroch Refinery, Italy



# Reference List – 2015

Client	Project / Location & Services
ABB	Multidisciplinary Detail Design for Nawara Gas Treatment Plant, Tunisia
ABB	FEED for revamping of production satellites at Hassi Messaoud Field, Algeria
SAIPEM/ENI	Detail Piping/Instrumentation Engineering for Onshore Early Production Facilities, Zohr Project, Egypt
Siirtec Nigi	Detail Design for the new Gas Treatment Unit, Zhaikmunai Plant, Kazakhstan
RAM	Basic Design Package for a new 10,000 BPSD Naphtha Hydrotreating Unit (HDT-3) at Milazzo Refinery, Italy
SARAS	Detail Design for revamping of Propylene Recovery, Separation and Storage at North and South Plants at Sarroch Refinery, Italy
TECNOMARE	Electrical FEED for Nenè Field Development Project (PP1, AEP, Riser, WHP3 Platforms), Congo
SARLUX	Detail Design for replacement of electrical protection switchboards 150/33/6 kV, Sarroch Refinery, Italy
SARLUX	Detail Design for replacement of FCC Blower driver from steam turbine to electrical motor, Sarroch Refinery, Italy
SARLUX	Basic Design Package for upgrading of firefighting system at North Plants jetty, Sarroch Refinery, Italy
IRIS/Consorzio Industriale Sassari	Feasibility Study for LNG Storage at Porto Torres, Italy



# Reference List – 2014

Client	Project / Location & Services
RAM	EPC LSTK contract for Revamping of Kerosene Hydrodesulphurization Unit (HDS-1), Milazzo Refinery, Italy
PACIFIC FUTURE ENERGY Co.	Prefeasibility Study for a 200,000 BPSD Greenfield Refinery, British Columbia, Canada
United Petrochem	Prefeasibility Study for a new Condensate Desulphurization Plant, Sohar, Oman
SARAS	Feasibility Study for a new scrubber for FCC flue gas desulphurization, Sarroch Refinery, Italy
SARAS	Basic Design for thermal integration between Mild Hydrocracking (MHC) and new Sea Water Desalter (DAM), Sarroch Refinery, Italy
VERSALIS	Owner's Engineering Services during construction of ETBE/Butene-1 plant at Ravenna Petrochemical Complex, Italy
IES (MOL Group)	Feasibility Study for revamping the railroad unloading facilities at Mantova Refinery, Italy
Eni R&M Div.	Basic and Detail engineering design for revamping of Furfural Plant (FT-2) to TDAE production, Livorno Refinery, Italy



# Reference List – 2013 1/2

Client	Project / Location & Services
SARAS	Detail design of the new oxygen line (6'' x 600 m) for Oxygen Enrichment System, FCC Plant, Sarroch Refinery, Italy
Eni R&M Div.	Front End Engineering and Design for revamping of the logistics assets, Venice Refinery, Italy
Eni R&M Div.	Process Study for debottlenecking of the Cooling Water Network at Sannazzaro and Taranto Refineries, Italy
VERSALIS	Owner's Engineering Services during the FEED of elastomer plants (s-SBR, e-SBR, EPDM, SBS), RAPID Project, Malaysia
SAIPEM	FEED design activities for Ammonia Plant, Spiritwood Project, North Dakota, USA
SAIPEM	Instrumentation and automation design activities for drilling and production clusters EPC2, EPC3, EPC4, Kashagan, Caspian Sea, Kazakhstan
E.ON	Owner's Engineering Services for relocation of Solar Taurus 70 Gas Turbine, Mira/Adria, Italy
SARAS	FEED for energy integration between Mild Hydrocracking (MHC) and Gasoline Etherification Unit (TAME), Sarroch Refinery, Italy
SARAS	Basic and Front End Engineering Design for debottlenecking of Topping RT2 Unit, Sarroch Refinery, Italy





# Reference List – 2013 2/2

Client	Project / Location & Services
RAM	Front End Engineering Design for revamping of the Kerosene Hydrodesulphurization Unit (HDS-1), Milazzo Refinery, Italy
URS/Adriatic LNG	Front End Engineering Design for the new Waste Water Treatment Plant, Adriatic LNG Regassification Terminal, Italy
URS/Adriatic LNG	Operative Maintenance Services at Adriatic LNG Regassification Terminal, Italy
ENI R&M Div.	Front End Engineering Design for the revamping of the Waste Water Treatment Plant, Livorno Refinery, Italy
ENI R&M Div.	Front End Engineering Design for a new Treated Distillate Aromatic Extract (TDAE) Plant at Livorno Refinery, Italy
Raffineria di Gela	Basic Design and Detailed Engineering Design for the installation of new Ultra Low NOx burners on fired heaters, Gela Refinery, Italy
SAIPEM	Detailed Engineering Design for Dangote Ammonia/Urea Complex, Nigeria
VERSALIS	Basic Design of the new Flare Gas Recovery Unit, Sarroch Petrochemical Complex, Italy



# Reference List - 2012

Client	Project / Location & Services
ENI R&M Div.	Front End Engineering Design and Detailed Design of the New Hydrogen Production Unit based on Eni's proprietary SCT-CPO technology, Sannazzaro de' Burgondi Refinery, Italy
ENI R&M Div.	Feasibility Study for the new Treated Distillate Aromatic Extract (TDAE) Plant, Livorno Refinery, Italy
ENI R&M Div.	Technical assessment of the existing tank farm for storage of raw vegetable oils and biodiesel and Front End Engineering Design of the relevant revamping - Green Refinery Project, Venice Refinery, Italy
VERSALIS	Process Study and assessment of the Blow Down systems after the installation of new process units, Sarroch Petrochemical Complex, Italy
VERSALIS	Basic Design for a new Commercial Demonstration Plant for the production of Tackifying Resins, Italy
SAIPEM	Front End Engineering Design activities for North West Red Water LC Finer Residues Conversion Unit, Canada





# Reference List - 2011

Client	Project / Location & Services
ENI R&M Div.	EPC/LSTK Contract for the new Vacuum Column and Filtration System of FCC Clarified Oil, Sannazzaro de' Burgundi Refinery, Italy
ENI R&M Div.	Basic Design & FEED for a proprietary specialty chemical production unit (XD23), Robassomero, Italy
ENI R&M Div.	DetailEngineering and Procurement Services for the new Water Reuse Unit based on Ultra-filtration and Reverse Osmosis technologies, Sannazzaro de Burgundi Refinery, Italy
DANIELI Far East	Detail Engineering, Procurement & Home Office Management Services for the new 10,000 Nm <sup>3</sup> /h Carbon Dioxide Removal Unit, Far East
ENIPOWER	Basic Design and Cost Estimate for the installation of a new Steam Boiler (160 MWt) at Ravenna Power Plant, Italy
POLIMERI EUROPA	Basic Design and Cost Estimate for the installation of n.2 new HP Steam Boilers (2 x 150 t/h), Porto Marghera Petrochemical Complex, Italy.



# Reference List - 2010

Client	Project / Location & Services
ENI E&P Div.	Front End Engineering Design (FEED), Cost Estimate and preparation of Tender Documents for EPC for Fauzia, Elettra and Benedetta Platforms, Adriatic Sea, Italy
TMPC	Feasibility Study, Basic Design and Risk Analysis for Methanol Storage and Injection Unit for inhibition of hydrate formation in the Trans Mediterranean Pipeline, Cap Bon Terminal, Tunisia
URS Italia/Adriatic LNG	Feasibility Study and Basic Design for Wobbe Index correction systems at Adriatic LNG Terminal, Italy
TAMOIL	Detail Design of Chloride Removal Unit upstream of the Continuous Catalytic Reforming Unit (CCR), Cremona Refinery, Italy
ENI R&M Div.	EPC Contract for a new 1 Km x 4" skin-effect electrically traced Liquid Sulphur Transfer Line and revamping of associated units, Taranto Refinery, Italy



# Reference List - 2009

Client	Project / Location & Services
ENIPOWER	Front End Engineering Design, Cost Estimate and preparation of Tender Document for EPC for the Revamping of Bolgiano Combined Heat & Power Plant (140 MWth), S. Donato Milanese, Italy
BONATTI	Multidiscipline Engineering Design for the New Utility Water Systems at NC-115 GOSP "A", GOSP "B" & CCX Industrial Area and NC-186 GOSP "A", Libya– Final Client: Akakus Oil
ENIPOWER	Front End Engineering Design of n.2 Photovoltaic Plants at Taranto (1 MWe) and Ferrandina (4 MWe), Italy
SAIPEM	Multidiscipline Engineering Design for EST (Eni Slurry Technology) Plant at Sannazzaro Refinery, Italy - Final Client: Eni R&M Div.
SIRAM S.p.A.	Conceptual Design & Cost Estimate for nr. 2 Biomass Fired Power Plants (14 MW and 10 MW), Italy
SAIPEM ENERGY SERVICES	Design Review of the Basic Engineering Design Package for Gas Oil Separation Plant, Burun Oil Field, Turkmenistan - Final Client: ENI E&P Div.



# Reference List - 2008

Client	Project / Location & Services
SNAMPROGETTI	Multidiscipline Engineering Design for Ammonia & Urea Plants, QAFCO 5 Project, Mesaieed, Qatar - Final Client: Qatar Fertilizers Co.
TECNIMONT	Basic Design for Biomass Fired Power Plant, Olevano Lomellina, Italy
ENI OIL CO. LTD	Risk Analysis & Assessment Study for the Out of Service of Gas Sweetening Unit DP4 Offshore Platform, Bouri Field, Libya
BONATTI S.p.A	Detailed Engineering Design for the Water Injection System Upgrading at NC-115 El Sharara GOSP "B", Libya. Final Client: Akakus Oil
ENI R&M Div.	EPC LSTK Contract for C4 Butylenic Stream Dryer Package, Sannazzaro de' Burgondi Refinery, Italy



# Reference List - 2007

Client	Project / Location & Services
RAM	Pier 2 / Mooring 06 bis: Marine Loading Arms revamping and replacement, Milazzo Refinery, Italy – EPC/LSTK Contract in partnership with I.F.A. srl and FMC Technologies
SAIPEM ENERGY INT.	Process Engineering Design for revamping and modifications of Kitina Platform Top Side Facilities, Congo - Final Client: ENI E&P Div.
CO.ME.CF s.r.l.	Detail Engineering for 12 t Power Boilers substitution with 3.5 MW Power Boilers/ Solar Centauro 55 Turbogas at Robassomero Plant (Italy). Final Client: ENI R&M Div.
POLIMERI EUROPA	Waste Water Treatment Plant (TAS) Covering System and Vapour Recovery Cryogenic Condensation Unit System, Sarroch Petrochemical Complex, Italy - EPC/LSTK Contract
SNAMPROGETTI	Multidiscipline Detailed Engineering Services for Ammonia & Urea Units, ENGRO Project Pakistan - Final Client: Engro Chemicals Co.
TECNIMONT	Basic Engineering and Detailed Mechanical Design for BOCAMINA II 370 MWe Coal Fired Power Plant, Puerto Coronel, Chile - Final Client: ENDESA



# Reference List – 2006 (1/2)

Client	Project / Location & Services
SNAMPROGETTI	Multidiscipline Detailed Engineering for Taranto Plus Refinery Expansion Project (Topping/Vacuum; LPG Treatment Package; Auxiliary; Interconnecting, Gasoil HDS) - Final Client: ENI R&M Div.
ENI R&M Div.	Process Study for the new Sour Water Stripper at Livorno Refinery, Italy.
ENI R&M Div.	Feasibility Study for replacement of Steam Generators at existing Power Plant, Robassomero, Italy
ENI E&P Div.	FEED and preparation of Tender Documents for EPC for the expansion of NAOC Electrical Power Plant, Okpai, Nigeria
SNAMPROGETTI	Machinery Engineering and Packages technical follow-up for the Isocracker Plant and Associated Units, Sannazzaro de' Burgondi Refinery, Italy – Final Client: ENI R&M Div.



# Reference List – 2006 (2/2)

Client	Project / Location & Services
TECNIMONT	Multidiscipline Detailed Engineering Design for the NKNK LLDPE / HDPE Project, Nizhnekamsk, Russia
SAIPEM ENERGY INT.	Process Engineering Design and Firefighting Study for the LITCHENDJLI and BANGA platforms, Congo - Final Client: ENI E&P Div.
SAIPEM ENERGY INT	Process Engineering Services for H2S Removal, Kalamakas Project, Caspian Sea, Kazakhstan Final Client: ENI E&P Div.
ENI R&M Div.	Front End Engineering Design of a New GPL Desulphurization Unit, Venezia Refinery, Italy
NORAHAN SANAYE	Endorsement of the Basic Engineering Design & Detailed Engineering Design for Utilities & Offsites, Ilam Petrochemical Complex, Iran
SNAMPROGETTI	Conceptual Design and FEED for Trans Anatolian Pipeline (TAP) including Samsun Marine Terminal (Black Sea), Ceyhan Marine Terminal (Mediterranean Sea) , NPS 48" Oil Pipeline, Trans Anatolian Pipeline, Turkey - Final Client: ENI E&P. Div.

# Reference List – 2005 (1/2)

Client	Project / Location & Services
RaM - Raffineria di Milazzo	Pier 2 – N. 4x16” marine loading arms dismantling and replaced with N. 3x16” loading arms – Milazzo (Italy) - Turn key job performed in partnership with IFA srl & FMC Technologies
Engineering & Management Services	FEED for Commercial Demonstration Plant for H2S Removal, Karachaganak, Kazakhstan - Final Client: ENI E&P Div.
TECNOMARE	Fire-fighting Study for the LITCHENDJLI and BANGA Platform, Congo - Final Client: ENI E&P Div.
RaM - Raffineria di Milazzo	Feasibility Study & Basic Design for the Vapour Recovery Unit (VRU) at Jetty # 2 – Milazzo (Italy)
SAIPEM ENERGY INTERNATIONAL	Process Engineering Activities for AWA/Paloukou Platform, Congo - Final Client: ENI E&P. Div.
ENI Oil Co. Ltd	Feasibility Study, FEED and preparation of Tender Documents for EPC for the Water Injection System & Power Generation System, Elephant Oil Field, Libya

# Reference List – 2005 (2/2)

Client	Project / Location & Services
SNAMPROGETTI	Instrumentation Engineering activities for the following projects: Samir Up-grade Project - Mohammedia (Morocco). CCR Platformer & LRSN Isomerization Plant – Yanbu (Saudi Arabia) Ras Laffan LPG – Phase 2 FEED – Ras Laffan (Qatar) NGL – Ruwais (UAE)
SNAMPROGETTI	Multidiscipline Detail Engineering for the Isocracker Plant and Auxiliary Units – Sannazzaro Refinery (Italy) – Final Client: ENI R&M Div.
ENI E&P Div./NAOC	New 18” Gas Pipeline Kwale / Okpai, Nigeria. Tender Documents preparation for EPC contract
ENI E&P Div./NAOC	Multidiscipline Engineering activities for new oil wells 13 & 19, Pisticci, Italy
STOGIT	Multidiscipline Engineering activities for the Gas Compression Plants at Cortemaggiore, Settala, Cinisello Balsamo, Ripalta, Sergnano, Minerbio, Italy

# Reference List – 2004

Client	Project / Location & Services
ENI E&P Div.	FEED and preparation of Tender Documents for supply and installation of a 3MW Power Plant for local community, Okpai, Nigeria
Raffineria di Gela	EPC/LSTK for revamping the instrumentation and control system of the Waste Water Treatment Plant, Gela Refinery, Italy
FMC Energy System	Basic Design for the LPG Railway Loading Station, Noyabrsk, Russia
ENI R&M Div.	Basic Design Study for Energy Saving on Topping 1 and Vacuum Plant, Sannazzaro de' Burgondi Refinery, Italy
ENI E&P Div./NAOC	Preparation of Tender Documents for EPC for 18" Oil Pipeline Tebidaba – Brass, Nigeria
ENI E&P Div./NAOC	24" Gas Pipeline Ogbainbiri – Ob/Ob, Nigeria). Follow-up and check of the technical documents issued for construction by the EPC Contractor
ITALPROGETTI	Study for pier modifications to allow the mooring of ships with 65.000 / 70.000 ton DGW, Panigaglia LNG Regassification Terminal, Italy - Final Client: SNAM



# Reference List – 2003

Client	Project / Location & Services
SNAMPROGETTI SUD	Detailed Engineering Design for the FCC Gasoline HDS Plant at Sannazzaro de' Burgondi Refinery, Italy - Final Client: ENI R&M Div.
ENI R&M Div.	Feasibility Study and Cost Estimate for N. 8 ENI petroleum products terminal in Italy
ENI R&M Div.	Feasibility Study and Cost Estimate for the new marine terminal in Gaeta, Italy
ENI R&M Div.	Basic Engineering Design for the ENI marine petroleum products terminal in Vibo Valentia, Italy
PRAOIL	Detail design for the Gran San Bernardo service tunnel relocation, Italy
PRAOIL	Detail design for Genua Debottlenecking Project, Italy
GENUA PORT AUTHORITY	Feasibility Study for the rationalization of petroleum products dispatch at Genua Harbour, Italy
ALSTOM POWER BOILERS	Electro-instrumental Engineering and 3D Modelling for the OKPAI Power Plant, Nigeria



# Reference List – 2002

<b>Client</b>	<b>Project / Location &amp; Services</b>
Agip Petroli	Basic Engineering and Cost Estimate for Wax Vacuum Plant Revamping Project at Livorno Refinery, Italy
SNAMPROGETTI	Detail Engineering for the Third Methanol Plant, Bandar Imam, Iran
Agip Oil Co.Ltd	Feasibility study for installation of a new Regeneration Gas Compressor installation, NGL Recovery Plant, Libya)
SNAMPROGETTI SUD	EPC contract for Topping 2 (Unit 10) Revamping at Sannazzaro de' Burgondi Refinery (Italy) - Final Client: Agip Petroli





# Reference List – 2000 - 2001

Client	Project / Location & Services
PRAOIL	Rationalization design study for the Agip and Iplom products distribution in Genua, Italy
VISCOLUBE	Feasibility Study, FEED, Detail Engineering, Cost Estimate, Procurement, Inspection and Expediting of Materials for the New Lube Oil Re-refining (hydro-finishing) Plant and Off-sites revamping at Pieve Fissiraga Refinery, Italy
SIRTE OIL COMPANY	Gas Lift Project including Gas Lift Compression, Methanol & Chemical Inhibitor Injection Skids, Trunk Lines and Flowlines, Raguba, Libya (JV with Bonatti)
ENELPOWER	Multidiscipline Engineering Design for Combined Heat & Power Plant, Castleford, United Kingdom – Final Client: HICKSON & WELCH Ltd