



PROCESS & PRODUCTION ENGINEERING

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
Eni Progetti SpA (ENNPI)	Egypt	Upstream (Off & On-shore)	2017	Up to now	Zohr Project	Automation, Instrument and Telecom Engineering for development of FEED
Eni Progetti SpA	Italy	Upstream (Off & On-shore)	2017	Up to now	Zohr Project	Electrical Engineering for development of FEED
Tecnomare SpA	Italy	On-Shore	2016	Up to now	Gela Refinery	<p>G2 PROJECT – Gela Refinery Process Engineering activity during detailed Engineering, including the follow deliverables:</p> <ul style="list-style-type: none"> ■ Item List ■ Equipment Summary ■ Process Flow Diagram (PFD) ■ Material Selection Diagram (MSD) ■ Heat and Material Balance ■ Utilities Consumption Summary ■ Fluids List ■ P&ID's ■ Equipment Data Sheets ■ Instrument Data Sheets ■ Cause and Effect Matrix

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
KT Kinetics Technology SpA (Saipem Spa for Saudi Aramco)	Italy	On-Shore	2016	Up to now	Jazan Project	<p>The Project requirement includes the followings:</p> <ul style="list-style-type: none"> ■ Development of Operating Manuals for Sulphur recovery Unit (SRU) ■ Development of Vendor O&M manual for Thermal reactor - licensed by KT ■ Development of Vendor O&M manual for Incinerator - licensed by KT
SOC. South Oil Company (SOC. South Oil Company)	Iraq	On-Shore	2016	Up to now	EP for Effluent Water Treatment of PS1 Tank Farm	<p>The following services have been provided</p> <ul style="list-style-type: none"> ■ Basic Engineering Design ■ Detailed Engineering ■ Procurement ■ Training ■ Start-up Supervision
SOC. South Oil Company (SOC. South Oil Company)	Iraq	On-Shore	2016	Up to now	EP for Effluent Water Treatment of Tuba Tank Farm	<p>The following services have been provided</p> <ul style="list-style-type: none"> ■ Basic Engineering Design ■ Detailed Engineering ■ Procurement ■ Training ■ Start-up Supervision

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
Tecnomare SpA	Italy	On-Shore	2016	4 months	Bench Scale DR-PSA	Process Basic Design Are included in the scope of work the following deliverables: <ul style="list-style-type: none"> ■ Basis of Design (Process) ■ Process and Utility Report ■ Process Flow Diagram (PFD) ■ Heat and Material Balance ■ Utilities Consumption Summary ■ Effluents List ■ Line fluids List ■ Equipment list ■ Equipment Data Sheets ■ Package Duty Specifications ■ Instrument List ■ Cause and Effect Matrix
Tecnomare SpA	Egypt	On-Shore	2016	3 months	Belaym Land Field	Feasibility Study – Electrical Are included in the scope of work the following deliverables: <ul style="list-style-type: none"> ■ Basis of design (ELE) ■ Electrical Equipment list ■ Tie-in report (ELE) ■ Electrical load List ■ One Line Diagram

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
Tecnomare SpA	Italy	On-Shore	2016	3 months	CEC Power Plant (Congo)	<p>Process Basic Design of CEC (Centrale Electrique du Congo) Power Plant (Congo)</p> <p>The following deliverables have been developed:</p> <ul style="list-style-type: none"> ■ Process Flow Diagram (PFD) ■ Process Description ■ Heat and Material Balance ■ Basis of Design ■ Utilities Consumption Summary ■ Item List ■ Equipment Summary ■ Mechanical Isolation Philosophy ■ Draí philosophy ■ Relief and Blowdown Philosophy ■ P&ID's
KT SpA (N.I.O.C.)	Iran	On-Shore	2014	3 months	SOUTH PARS Gas Field Development	<p>Development and Updating of Operating Manuals for the following units:</p> <ul style="list-style-type: none"> ■ MEG Regeneration, Injection and Storage ■ Propane Treatment and Drying/Package ■ Butane Treatment and Drying ■ Steam Generation Unit ■ Instrument and Service air ■ Nitrogen & Generation System ■ Sea Water Intake facility

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
						<ul style="list-style-type: none"> ■ Sea Water Desalination & Distribution Network ■ Water Treatment Area ■ Potable Water unit ■ Fire Water Area ■ Diesel Storage Unit ■ Cooling Water Unit ■ Flare Area (Flare Stack) ■ HC Liquid Burner Area
QATAR PETROLEUM (QP) (Qatar Petroleum)	Qatar	Off-Shore	2014	12 months	HALUL Offshore Oil Terminal	Development of O&M Manuals for the following units: <ul style="list-style-type: none"> ■ Incoming Crude Oil Pipeline ■ Crude Oil Distribution Manifold ■ QP Crude Oil Storage Tanks ■ Crude Oil Transfer, Export & Import Systems ■ Formation Water Disposal Systems ■ Sour Gas System ■ Sweet Gas System ■ Flaring System ■ Open & Closed Drain Systems ■ F/G Detection & Monitoring Systems ■ Fire fighting Systems ■ Electrical Power Generation and distribution systems ■ Instrument, Utility and Starting air Systems ■ Potable Water Systems ■ Diesel Fuel systems

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
						<ul style="list-style-type: none"> ■ Nitrogen Plant ■ Halul Heliport ■ Telecommunication Systems ■ Halul Harbor ■ Waste Water Treatment System ■ Sewage Treatment System
TECNOMARE SpA (Eni E&P)	Italy	Off-shore	2014	6 months	Bianca & Luisella Off-shore platforms	Development of the following Process Activities during FEED phase: <ul style="list-style-type: none"> ■ PFDs ■ Equipment Summary / Item Index ■ Process Descriptions ■ P&IDs ■ Calculations ■ ...
TECNOMARE SpA (Eni E&P)	Italy	Off-shore	2014	2 months	Clara SE Offshore Platform	Development of the following Process Activities during FEED phase: <ul style="list-style-type: none"> ■ PFDs ■ Equipment Summary / Item Index ■ Process Descriptions ■ P&IDs ■ Calculations ■ ...

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
FORES ENGINEERING Srl (Maersk Oil)	Italy	Off-shore	2014	1 month	Tyra Southeast Field Development	Development of O&M Manuals for the following units: <ul style="list-style-type: none"> ■ HPU Operation And Maintenance Manual ■ WHCP Operation And Maintenance Manual ■ VCP Operation And Maintenance Manual ■ WOP Operation And Maintenance Manual
FORES ENGINEERING Srl (INAGIP D.O.O.)	Italy	Off-shore	2014	1 month	IKA JZ Platform	Development of WHCP Operation And Maintenance Manual
FORES ENGINEERING Srl (Al Hosn Gas)	Italy	On-shore	2014	1 month	New SHAH Gas Processing Plant	Development of the following procedures: <ul style="list-style-type: none"> ■ Chemical Packing & Transportation Procedures ■ Chemical FAT Procedure ■ Chemical Preservation Instruction for Storage at Site ■ SAT Procedure ■ Chemical Installation, Operation and Maintenance Manual
SAIPEM SpA (Eni R&M)	Italy	On-shore	2013	5 months	Venice Green Refinery	Process Engineering Development during detailed engineering phase for refinery revamping in order to produce bio-diesel. In detail the followings activities have been performed for Sulphur Recovery Unit: <ul style="list-style-type: none"> ■ Equipment Datasheets (compressors, columns, ...) ■ Instrument Datasheets (PSV, CV, ...) ■ P&IDs ■ Calculations ■ ...

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
SAIPEM SpA (Versalis SpA)	Italy	On-shore	2013	4 months	Priolo Petrochemical Complex	Process Engineering Development during pre-feasibility and feasibility Study for a new Resin Plant Installation. In detail the followings activities have been performed for monomer and resin plants: <ul style="list-style-type: none"> ■ PFDs ■ Equipment Summary / Item Index ■ Process Descriptions ■ P&IDs ■ Calculations ■ ...
SAIPEM SpA (Santos)	Australia	On-Shore Pipeline	2013	12 months	Gas Transmission pipeline, Gladstone LNG project	Development of the following project documentation: <ul style="list-style-type: none"> ■ Operation & Maintenance plant manuals; ■ Training Manuals. ■ Maintenance procedures
ROSETTI MARINO SpA (Total E&P SpA)	Scotland	Off-Shore	2013	1 months	Elgin B / West Franklin Offshore Platforms	Review of the New Platform Control philosophy in order to evaluate new Control Logic impact on control logics installed on the existing platform control System
SAIPEM SpA (Polskie LNG)	Poland	On-Shore	2013	4 months	LNG Terminal Swinoujscie	Development of LNG Operating Manuals & Procedures: <ul style="list-style-type: none"> ■ Unloading System ■ LNG Storage System ■ LNG cold circulation ■ LNG LP Pumps and Recondenser

The present document is property of ISS INTERNATIONAL SpA and shall not be transferred, copied, disclosed or used, without the authorization of ISS INTERNATIONAL SpA
Doc. No. CHEN-CO - Rev.05 - 09/02/15



PROCESS & PRODUCTION ENGINEERING
Reference list

ISS International SpA

Via Magna Grecia 117 - 00183 Rome, Italy
Tel +39 064522821 - Fax +39 0645200351
e-mail: info@iss-international.it
VAT: 08137831007
www.iss-international.it

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
						<ul style="list-style-type: none"> ■ HP LNG Pumps, SCVs and Send-out ■ Boil-off Gas Handling System ■ Fuel Gas System ■ Road Tanker Loading ■ Utility Systems
SAIPEM SpA (North Stream)	Italy	On-Shore & Off-shore Pipeline	2012	30 months	North Stream Line Operation Services on pipeline	Operating Manual and Standard Operating Procedures Development
Saipem SpA (ENI R&M)	Italy	On-Shore	2012	6 months	Ravenna and Ferrara Refineries	Process Engineering Services for revamping of Ravenna and Ferrara Refineries
TECNOMARE SpA (Eni E&P Tunisia)	Tunisia	Off-Shore	2011	4 months	Maamoura & Baraka Offshore Platforms	Process Operator Guides (POGs)
SAIPEM SpA (Eni E&P SpA)	Italy	On-Shore	2011	6 months	Oil & Gas Treatment plant (Val D'Agri)	Development of Process Engineering Package in a EPC contract: <ul style="list-style-type: none"> ■ Steady State Simulation ■ H&M Balances ■ Process Descriptions ■ PFDs ■ P&IDs ■ Equipment D/S

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
						<ul style="list-style-type: none"> ■ Instrumentation D/S ■ Calculations (control valves, PSV, ...) ■ Safety Analysis ■ ...
SAIPEM SpA (Kuwait Oil co. KOC)	Kuwait	On-Shore	2011	6 months	Gas Booster station BS160	Development of Booster station Operating manuals
SAIPEM SpA (First Calgary Petroleum)	Italy / Algeria	On-Shore	2010	8 months	Sonatrach Menzel Ledjmet East Project (MLE) Oil&Gas Treatment Plant & Pipeline	Plant Operating Manual
CEMIT Srl (Eni E&P SpA)	Italy	On-Shore	2010	8 months	Oil & Gas Treatment plant (Val D'Agri)	Process Engineering Development for debottlenecking detailed phase: <ul style="list-style-type: none"> ■ Steady State Simulation ■ H&M Balances ■ PFDs ■ Equipment D/S ■ P&IDs ■ Instrumentation D/S ■ Calculations (control valves, PSV, ...) ■ Safety Analysis ■ Permitting Documentation ■ ...

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
CEMIT Srl (Eni E&P SpA)	Italy	On-Shore	2010	8 months	Oil & Gas Treatment plant (Val D'Agri)	Commissioning procedures and Plant Operating Manual
EDISON SpA (Thisvi CCGT Power Plant)	Greece	On-Shore	2009/2010	6 months	Combined Cycle Power Plant Thisvi Greece	The following documentation has been developed: <ul style="list-style-type: none"> ■ Pre-commissioning & Commissioning procedures ■ Plant Operating Manual
ENI POWER SpA (Eni Power SpA)	Italy	On-Shore	2009/2010	6 months	Combined Cycle Power Plant	Development of Standard Operating Procedure (SOP) for Electrical and BOP plants
VECO ENG., CH2MHILL (CPECC / Ministère Algérienne des Ressources en Eau)	Algeria	On-Shore	2009	6 months	Water Pumping Station	Plant Operating and Maintenance Manual, including Step by Step procedures
QATAR ENG. & CONSTRUCTION Co. Qcon WLL (Qatar Petroleum)	Qatar	On-Shore	2009	6 months	VOC Abatement Plant	The following documentation has been developed: <ul style="list-style-type: none"> ■ Pre-commissioning Manual ■ Commissioning Manual ■ Plant Operating Manual ■ Training Manuals ■ Performance Test Run procedure
SNAMPROGETTI Ltd (Oryx GTL)	Italy	On-Shore	2008/2009	2 months	Hydrogen Unit Ras Laffan Complex	Support Services for Process Design

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
SAIPEM SpA (Mellitah Oil & Gas)	Italy/ Libya	On-Shore	2008/2009	6 months	Gas Compression Station – Wafa	Process Design development
COMART SpA (Oryx GTL)	Italy / Qatar	On-Shore	2008/2009	3 months	Gas Dehydration & Sweetening Plant – Ras Laffan	Plant Operating Manuals development
SAIPEM SERVICES SpA (Eni E&P SpA)	ENERGY Italy/Tunisia	On-Shore Pipeline	2008/2009	6 months	Gas Compression Station – STGP Plant	Process development Activities during feasibility study: <ul style="list-style-type: none"> ■ Steady State simulation ■ H&M Balances ■ Equipment List ■ PFDs ■ Process Description ■ CAPEX and OPEX estimation ■ ...
TECHNIP KTI SpA (KTI Star)	Italy	On-Shore	2008	10 months	Gas Compression Station – El Arish Egypt	Development of Pre-Commissioning and Commissioning Manual / Procedures
TECNOMARE SpA (EniMed. SpA)	Italy	On-Shore	2008	6 months	Centro Olio Ragusa Oil Treatment Plant	Development of Operating Manuals and Procedures according to Operator Team experiences and site surveys

CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
TECNOMARE SpA (EniMed. SpA)	Italy	On-Shore	2008	6 months	Centro Olio Gela Oil Treatment Plant	Development of Operating Manuals and Procedures according to Operator Team experiences and site surveys
TECNOMARE SpA (EniMed. SpA)	Italy	On-Shore	2008	6 months	Terzo Centro Olio Gela Oil Treatment Plant	Development of Operating Manuals and Procedures according to Operator Team experiences and site surveys
COMART SpA (Sime Darby)	U.A.E.	On-Shore	2008	3 months	Fuel Gas Treatment Package – MEPI, MOQ, Sime Darby	The following activities have been performed: <ul style="list-style-type: none"> ■ Control Philosophy ■ Plant Operating Manual
TECNOMARE SpA (Eni SpA)	Italy	Off-Shore	2008	6 months	Perla Offshore Platform Gela, Italy	Development of Operating Manuals and Procedures according to Operator Team experiences and site surveys
TECNOMARE SpA (Eni SpA)	Italy	Off-Shore	2008	6 months	Gela 1 Offshore Platform Gela, Italy	Development of Operating Manuals and Procedures according to Operator Team experiences and site surveys
TECNOMARE SpA (Eni SpA)	Italy	Off-Shore	2008	6 months	Prezioso Offshore Platform Gela, Italy	Development of Operating Manuals and Procedures according to Operator Team experiences and site surveys



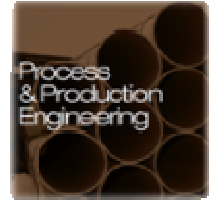
CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
TECHNIP KTI SpA (PDVSA)	Chile	On-Shore	2008	6 months	Atmospheric Distillation Unit (Topping & Vacuum) for Concon Refinery	De-bottlenecking Study utilizing Steady State and Dynamic Simulations for the following units: <ul style="list-style-type: none"> ■ Topping Section ■ Vacuum Section ■ Heat Exchanger Train
JGC (Oryx GTL)	Qatar	On-Shore	2007/2008	18 months	Oil Treatment Plant Dolphin	Development of Plant Operating Manuals for the following units: <ul style="list-style-type: none"> ■ Reception Facilities ■ Acid Gas Removal ■ DSO Burner & SO2 Scrubbing ■ Nitrogen Production & Distribution ■ Potable Water Production & Distribution ■ Fire Water Production & Distribution ■ Diesel System Production & Distribution ■ Water Re-injection Well Production & Distribution ■ Tempered Water Production & Distribution ■ Fire Water – Condensate Storage Area. Production & Distribution <p>And related Standard Operating Procedures (SOP) developed according to the following levels:</p> <ul style="list-style-type: none"> ■ Integrity Critical (IC) ■ Normal (Norm)



PROCESS & PRODUCTION ENGINEERING
Reference list

ISS International SpA

Via Magna Grecia 117 - 00183 Rome, Italy
Tel +39 064522821 - Fax +39 0645200351
e-mail: info@iss-international.it
VAT: 08137831007
www.iss-international.it



CLIENT (Final Client)	COUNTRY	SECTOR	PERIOD		DESCRIPTION	
			Year	Months	Plant / Unit	Services
GUASCOR ITALIA SpA (Guascor Italia SpA)	Italy	On-Shore	2006/2007	12 months	Recovery Oil Plant	Development of the following plant documentation: <ul style="list-style-type: none"> ■ Pre-Commissioning Manual ■ Commissioning & Start up Manual ■ Operating Procedures



PROCESS & PRODUCTION ENGINEERING
Reference list

ISS International SpA
Via Magna Grecia 117 - 00183 Rome, Italy
Tel +39 064522821 - Fax +39 0645200351
e-mail: info@iss-international.it
VAT: 08137831007
www.iss-international.it