

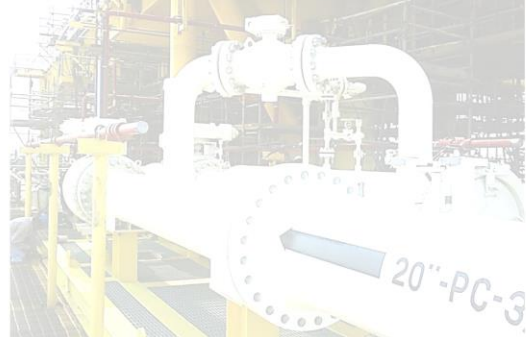


OILTECH

COMPANY PROFILE



Milan, June 2017



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1. COMPANY PROFILE

Name : Oiltech s.r.l.

Registered Office : Via Caviglia, 3 – 20139 Milan – Italy

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VAT number : 0240 0530 123

Year of Incorporation : 1997

2. INTRODUCTION

Oiltech is a consulting engineering company specialised in petrochemical process design.

Oiltech has an experienced and cohesive team of engineers having 20+ years of design and project management experience in different fields: oil & gas production and transportation, refining and petrochemical plants, power generation plants, environmental engineering, risk analysis etc...

Oiltech can supply engineering services to the petrochemical industry based on sound technological solutions and a proven experience.

3. AREAS OF EXPERTISE AND SERVICES

The major industrial areas of **Oiltech** activities are:

- onshore and offshore oil production facilities and treatment units
- onshore and offshore gas treatment plants
- onshore oil & gas pipelines
- oil refining
- petrochemical plants
- power generation plants
- waste water treatment plants
- utility systems
- plant off-sites.

Services provided by **Oiltech** are:

- feasibility studies
- FEED
- process optimisation studies
- safety studies, HAZOP review
- basic design (PFD, P&ID, equipment and instrumentation data sheets, cause and effects matrix, equipment, lines and valves sizing, etc.)
- hydraulic studies, transient calculations, flow assurance studies
- detailed engineering (process, piping and instrumental)
- equipment sizing and shop drawings
- operating manuals
- pre-commissioning, commissioning and start-up supervision

4. COMPANY STRUCTURE AND ORGANIZATION

4.1. Organization Chart

General Mgr. : Cosimo Boffa, Chem. Eng.
 Process Mgr. : Ciro Zizolfi, Chem. Eng
 Adm. & Acc. Mgr : Delia Santo

4.2. Staff

Oiltech is in position to develop more than 50,000 engineering hours per year, adding to the permanent staff free-lance personnel that is hired on a contract basis and subcontracting some specific tasks, mainly related to drafting.

<u>Position</u>	<u>Permanent</u>	<u>Temporary</u>	<u>Total</u>
Sr. Process Engineer	5	-	5
Process Engineer	8	5	13
CAD Designer	-	3	3
Secretary	1	-	1
Total	14	8	22

4.3. Software Applications

The following software can be used by OILTECH staff that is specifically trained:

General

Operating System	Microsoft	Windows 10
General Purpose	Microsoft	Office 2016

Process

Process Simulator	Aspentech	HYSYS
Process Dynamic Simulator	Aspentech	HYSYS Dynamics
Process Simulator	SimSci	PRO/II
Flare Design	Aspentech	Flare System Analyzer
Hydraulic Studies	Schlumberger STP	OLGA
Glycol Dehydrator Emission Estimator	Gas Research Inst.	GlyCalc
Physical properties of water and steam	Engiware	ENGI_H2O
HC mol %, weight % and volume % at STP	BR&E	vFrac
Heat Exchanger thermal design	HTRI	Xchanger Suite
Heat Exchangers performances log system	Engiware	ENGI_HEX
Orifice flow meters sizing	Foxboro	FlowExpert

In addition a large number of in-house developed engineering programs is also available.

5. QUALITY ASSURANCE

Oiltech operates according to the Quality Management System that is devoted to the client satisfaction and to the continuous improvement of company performances.

Company Quality Management System is ISO 9001:2008 certified and is valid for the following field of activities:

Process Design and Consultancy Services for the Oil & Gas, Petrochemical, Chemical and Power Sectors.

Numero	QBC566	Settore EA	35
Prima emissione	30-06-2017	Emissione corrente	30-06-2017
Decisione di rinnovo		Scadenza	14-09-2018
Sostituisce			



ISO Nº 1001 A ISO Nº 15189 D
 ENR Nº 020 F IRD Nº 263 B
 Member degli accordi di Mutual Recognition
 EA, IMF & ILAC
 Signatory of EA, IMF and ILAC
 Mutual Recognition Agreements

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 Sede Legale
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 e-mail: info@abicert.it

**Certificato di Sistema di Gestione per la Qualità
 UNI EN ISO 9001:2008**

**ABICert ha verificato che
 il sistema di gestione per la qualità implementato dalla**

OILTECH S.r.l.

**è conforme alla norma UNI EN ISO 9001:2008 per l'area di
 applicazione:**

- Progettazione di processi ed erogazione di servizi di consulenza per i settori oil & gas, petrolchimico, chimico ed energia

ABICert S.p.A.
 ing. Antonio Bianco
 Direttore

Questo certificato consta di una pagina.
 È permessa la pubblicazione del certificato purché nella sua interezza.
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6. REFERENCES

Year	Client	End-user	Project & Location	Scope of work
1997	Sicon Oil & Gas - Milan	OGDC	Panjpir Field - Pakistan	Basic design, detailed engineering and project management services for a turn-key project including: <ul style="list-style-type: none"> • well head areas and gas gathering system • GOSP, gas dehydration, plant utilities and off-sites • 12" - 16 Km gas transfer pipeline with a major river crossing (800 m) • SCADA and telecom system
1998	Sicon Oil & Gas - Milan	ENPPI	Ismailia - Egypt	Basic design, detailed design and project management services for a town gas distribution system for 48,000 civil users
1999	Basis – Milan	ENPI	Baltim Field – Egypt	Process design for skid-mounted separators
1999	Basis – Milan	AGIP	Casalborsetti - Italy	Process design for skid-mounted separators
1999	Basis – Milan	AGIP	Gela - Italy	Process design for skid-mounted separators
1999	Basis – Milan	AGIP	Karachaganak – Kazakhstan	Process design for skid-mounted separators
1999	REPCO – Milan	Petrobel	Abu Madhi - Egypt	Process design for: <ul style="list-style-type: none"> • Off-shore three-phase separation system. • LTS Units (350 MMSCFD capacity)
1999	RIC – Milan	Sirte Oil Company	Sidra & Wachka – Libya	Process design for gas filter-separators.
1999	Basis – Milan	ENPPI	Temsah Field – Egypt	Process design for: <ul style="list-style-type: none"> • Off-shore three-phase separation system • 4 LTS Units (4 x 125 MMSCFD capacity) • 4 Condensate Stabilisation Units (4 x 9,000 BPD capacity)
1999	Triply – Milan			Process design for skid-mounted gas metering skids
1999	CSImpianti - Milan	Vietsovpetro	CPP-3 Offshore Platform - Vietnam	Conceptual Lay-out of CPP-3 Production Platform
1999	SICES	Vietsovpetro	CPP-3 Offshore Platform - Vietnam	Conceptual design of CPP-3 Production Platform
1999	CRT – Milan	Edison	Soroosh Field – Iran	Conceptual design for: <ul style="list-style-type: none"> • Soroosh Oil Production Platform • Nowrouz Gas Compression Platform
1999	Rolle – Padoa	C.I.N.A.	Hassi Messaoud- Algeria	Basic design and detailed engineering for the revamping of a 350,000 BPD Crude Oil Separation Unit and the related utilities and off-sites
1999	Elettraenergia	M.E.W.	Al Tawilah	Process design for utilities upgrading
1999	REPCO – Milan	British Gas	Pozzo Masseria Vincelli 1 – Italy	Process design for a well-head gas conditioning & metering system
1999	Rolle – Padoa	Sonatrach	Ourhoud – Algeria	Process design and detailed engineering for a skid-mounted separator
2000	REPCO – Milan	British Gas	Pozzo Masseria Vincelli 1 – Italy	Process design of a 5 MMSCFD Gas Dehydration Unit with Tri-ethylene Glycol
2000	SICES	ENPPI	Temsah – Egypt	Process design of a 5 LTS trains (5x 160 MMSCFD)
2000	TECHINT	Enichem	Sarroch – Italy	Process design for a Pseudocumene/EthylBenzene Unit revamping
2000	Fiorentini		Uzbekistan	Process design of a Gas Dehydration Unit
2001	SICES	ENPPI	Egypt	Process basic and detail design of a MEG Regeneration Unit from a salt solution
2002	SICES	AGIP	Libya	Process basic and detail design of a TEG Regeneration Unit
2002	PROGRA	AGIP	Ravenna – Italy	Feasibility study of a water re-injection system

2003	TECHINT	Enichem	Porto Marghera – Italy	Detail engineering of an ammonia condensation and vents absorption unit
2003	Sicon Oil & Gas - Milan	SASOL	Secunda – South Africa	Detail design of a gas pipeline and a pressure protection station
2003	Sicon Oil & Gas - Milan	ATLANTIS	United Arab Emirates	Basic design of a gas treatment plant with utilities and off-sites
2003	TECNOMARE	AGIP KCO	Kashgan Field Development – Kazakhstan	Basic design
2004	ENERECO	PETROLEUM AUTHORITY OF THAILAND	Third Transmission Pipeline - Thailand	Preparation of material requisitions for the main equipment and proposals technical evaluation
2004	SICES	AGIP OIL COMPANY - LIBYA	Water Reinjection - Libya	Process overview of basic design, preparation of material requisitions for the equipment
2004	CTR	AGIP OIL COMPANY - LIBYA	Hamada fields exploitation	Feasibility study for the exploitation of oil and gas fields and for the relevant transfer pipelines definition
2005	E&M Services (ENI Group)	ENI	Miglianico - Italy	FEED Review
2005	ITP	FLUOR - SEIC	Egypt	Process design of a Natural Gas Treatment Unit
2005	SAIPEM Energy International	AGIP	Jambala - Congo	Revamping of a GOSP
2005	ITP	ENPPI	Egypt	Water Bath Heater design
2005	Bassi	OKLNG	Nigeria	Slug-catcher sizing
2005	Tectubi	SOC	Libya	Process design of a Crude Oil Stabilization Unit
2006	SAIPEM Energy International	AGIP	Kitina platform - Congo	Compression Unit revamping study
2006	TECHINT	AGIP	Gela	Emergency Flare System. Process design.
2007	AUSY	ENI	S.Nazaro Refinery	Revamping study for a Blow down system.
2007	BASSI	ENI	Bonny Island - Nigeria	Slug-catcher sizing
2007	CTR	EDISON	Rospo Platform - Italy	Hydraulic Study for a sealine transporting high viscosity crude oil.
2007	TECNOMARE	ENI	Ascoli Satriano Gas Wells - Italy	Basic Design for a CO2 Gas Removal Unit based on Membrane Units.

All the above projects and the following listed for the years 2008 and 2009 have similar sizes and are in the range of from 300 to 2,000 hours of process engineering.

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2008					
Tecnomare SpA	ENI E&P	Kashagan	1,260 MMSCFD	Kazakhstan	Process design services.
Tecnomare SpA	ENI E&P	Ascoli Satriano Sour Gas Field	0,28 MMSCMD	Italy	Conceptual Design and Feasibility Study for the Gas Treatment Facilities.
Techint SpA		EMethanex			Process design services.
SICON Oil & Gas SpA	SNC Lavalin	Ambatovy Nickel Project		Madagascar	Project Management Services for the detailed design of a slurry pipeline
Valitek Srl	ENI E&P	Depropanizer & Isostripper Revamping	50 m3/h	Sannazzaro Refinery - Italy	S&T Heat exchanger and Steam Condensate Drum sizing
Valitek Srl	ENI E&P			Sannazzaro Refinery - Italy	Bitumen Unloading System design
Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Maris Srl	ENI E&P	Ebocha		Nigeria	Process design services.

SIIRTEC NIGI SpA	HPC	Hayan	4 MMSCMD	Hayan Block - Syria	Process design services.
SIIRTEC NIGI SpA	ENI E&P	Kashagan	1,260 MMSCFD	Kazakhstan	Process design of a Fuel Gas Skid
SIIRTEC NIGI SpA	ENI E&P	Kashagan	1,260 MMSCFD	Kazakhstan	Process design of a TEG Dehydration Unit
SIIRTEC NIGI SpA	ADCO			Abu Dhabi - UAE	Process design of a TEG Dehydration Unit
SIIRTEC NIGI SpA	Enel Power	Ammogen	900 Kg/h NH3	Torrevaldaliga - Italy	Process design, commissioning and start-up assistance
SIIRTEC NIGI SpA	ENPPI / Burullus Gas Company	TSA Package Modification	1,600 MMSCFD	Idku - Egypt	Process design services.
SIIRTEC NIGI SpA	Gazprom	Portovaya GTP	170 MMSCFD	Russia	Process design services.
SIIRTEC NIGI SpA	PETROGAL	Ecofining	6500 bpd	Sines Refinery - Portugal	FEED
SIIRTEC NIGI SpA	NAOC	Basic Eng. For Swamp Area	270 MMSCFD	Ogbainbiri - Nigeria	Process design of a TEG Dehydration Unit
SIIRTEC NIGI SpA	TOTAL E&P JEMEN	WBH Package	7 MMKcal/h	Yemen	Bath Heater Design
SIIRTEC NIGI SpA	Kuwait Oil Comp.	Heaters Replacement	490'000 bpd	Kuwait	Bath Heater Design
SIIRTEC NIGI SpA	API	Ancona Refinery		Ancona - Italy	Heat Exchanger Design
SIIRTEC NIGI SpA	Morneftegas	Prirazolomnoye Off-shore Platform	150,000 BOPD	Russia	Basic design and Operating Manual for an oil platform
SIIRTEC NIGI SpA	Oil and Natural Gas Corp. Ltd		0,4 MMSCFD	Mumbai Field - India	Dehydration TEG Unit
SIIRTEC NIGI SpA	ENI E&P			Sannazzaro Refinery - Italy	Duty Spec Thermal Incinerator
CAEMA Srl	Quingentole Power Plant	Cogeneration Biomass Plant	500 kW	Quingentole - Italy	Operating Manual
ITP Srl	Khalda Petroleum	AI QASR Gas Field	12,000 BOPD	Egypt	Process Sizing of a Three Phase Separator
ITP Srl	ENI Tunisia	Oil Gas Treatment Plant	1800 m3/h	Maamoura	Process Design of a GOSP
ITP Srl	Fluor	Booster Station 2 Sakhaline Island	0.25 MMSCMD	Russia	Fuel Gas System Operating System
AUSYSERVICES Srl	ENI E&P	Track LPG Unloading System	500 Nm3/h	Sannazzaro Refinery - Italy	Process Basic Design
Bassi Luigi & C. SpA	Sonatrach	Menzel Ledjmet East	5300 m3/h	Algeria	Process Sizing of a "Finger-type" Slug Catcher
Bassi Luigi & C. SpA	Chevron	Pipeline Slug Catcher	2.3 MMSCMH	Australia	Process Sizing of No. 2 "Finger-type" Slug Catcher
Festina Lente Srl	Melrose	1stage GI Suction		Egypt	Process Sizing of No. 2 Three Phase Separators
Festina Lente Srl	Melrose	1stage GI Suction	50 MMSCFD	Egypt	Process Sizing of No. 2 Two Phase Separators
Bassi Luigi & C. SpA	IRASCO	Kharg Island Gas Gathering NGL Recovery Project	10'500 m3/h	Kharg Island - IRAN	Process Sizing of No. 2 "Finger-type" Slug Catcher
SADELMi SpA	IOOC	Sirri Island Gas Gathering & NGL Recovery Plant	4.2 MMSCMD	Sirri Island - IRAN	Process Basic Design and HAZOP for Molecular Sieve Gas Dehydration and Mercury Removal Units

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2009					
Tecnolab Srl	NAOC		45 MMSCFD	Nigeria	Pipeline transient simulation
Techint Srl	ENI E&P / Sonangol	Associated gas utilization NGL extraction and Integrated power plant	450 MW	Angola	Simulation of the Thermodynamic Cycle using a proprietary software
Festina Lente Srl	Melrose Resources	West Dikimis Gas Injection	85 MMSCFD	Egypt	Process Sizing of Scrubbers and Flare K.O. Drums
SES - Saipem Energy Services SpA	ENI E&P	Kitina Development & Reconditioning		Congo	Process design for the revamping and expansion of the Cooling Water and Water Injection Systems
KM Engineering	ENI Australia	Pipeline Flow Assurance Study		Australia	Flow Assurance Study and slug catcher sizing
SICON Oil & Gas SpA	ENI OIL Co. Ltd.	A/100 LP Facilities Modifications		Bu Attifel - Libya	Project Management Services for the EPC project
SIIRTEC NIGI SpA	AGIP KCO	Kashagan Off-shore	27 m3/h TEG circulation	Kashagan - Kazakhstan	Process design of a TEG Regeneration & Reclaiming Package
SIIRTEC NIGI SpA	Total	WBH Package	7,000,000 Kcal/h	Yemen	Bath Heater
SIIRTEC NIGI SpA	ENI E&P	SRU Sannazzaro EST	160 t/d sulfur	Sannazzaro - Italy	Process design services for the incineration section
SIIRTEC NIGI SpA	LORC	Kharg Island	2 x 300 MMSCFD	Kharg Island - IRAN	PSV design
SIIRTEC NIGI SpA	ADCO	Sahil and Shau Fullfield Development Program	2700 m3/h	Sahil - UAE	Process design of a TEG Dehydration Unit
SIIRTEC NIGI SpA	NAOC	Ebocha Oil Centre upgrading N-NLG Gas supply program	2400 m3/h	Nigeria	Process design of a TEG Dehydration Unit
SIIRTEC NIGI SpA	Cosmi		7,000,000 Kcal/h	Ponticelli (BO) - Italy	Salt Bath Heater
SIIRTEC NIGI SpA	GUPCO	WH Debottlenecking	2,240 Kg/h MEG	Egypt	Process design of a MEG Unit
SIIRTEC NIGI SpA	ADCO	CDS Phase 1	1.8 MMBOPD		Process design of a TEG Regeneration Unit
SIIRTEC NIGI SpA	Enel Power	Ammogen	900 Kg/h NH3	Torrevaldaliga - Italy	Plant Debottlenecking Study
SIIRTEC NIGI SpA	Nuovo Pignone	Gas Compression Station CGS6		West Quma - Iraq	Process design services for a Gas Dehydration and Glycol Regeneration Unit
Bassi Luigi & C. SpA	Chevron	Pipeline Slug Carcher	2.3 MMSCMH	Australia	Process Sizing of a "Finger-type" Slug Catcher
SADELMI SpA	LORC	Lavan LPG recovery treatment storage Lava & Jetty Project	9000 Kg/h sour LPG	lavan Island - IRAN	Training Manual & Training
Techint Srl	Techint	Dalmine CO2 Removal Unit		Italy - Dalmine/Malossa	Route Selection and Cost Estimation of a CO2 Pipeline from Dalmine to Malossa
Festina Lente Srl	Melrose Resources				Process Sizing of Separators and Gas Filters
Bellelli Engineering Srl	Waha Oil Company	Faregh Phase 2 Gas Processing Facilities	60 MMSCFD	Libya	Process Sizing of a "Finger-type" Slug Catcher
Tecnolab Srl	ENI E&P			Australia	Pipeline transient simulation
Festina Lente Srl					Process Sizing of Gas Scrubber and Test Separator
Bassi Luigi & C. SpA	JGC	Gassi Touil Feed Project	12 MMSCMD	Algeria	Process Sizing of No. 2 "Finger-type" Slug Catcher
AUSY Srl	ENI E&P	Sistema di riscaldamento soluzione Lean Baffle	30 KW	Sannazzaro - Italy	Heating System Design

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
	ENI E&P	MTBE Plant	3 MW	Sannazzaro - Italy	OVHD Condenser Design
Festina Lente Srl					Process Sizing of Separators
L.S.M. Srl					Sizing of Storage Tanks Heating Coils
Techint Srl		EMethanex			Sizing of Storage Tanks Heating Coils
Festina Lente Srl	Bapetco	Neag Multiphase	20000 BOPD	Egypt	Process Sizing of Separators
Bassi Luigi & C. SpA	Oman Gas Company	North Star Plant		Oman	Process Sizing of No.2 "Finger-type" Slug Catcher
Festina Lente Srl	Sonatrach	Gazoduc GK3/48"	500,000 Nm3/h	Algeria	Process sizing of Multicyclon type Gas Scrubber

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2010					
IPLOM	IPLOM	Oil Storage Tanks new pumping system	150 m3/h	Busalla Refinery - Italy	Process Design of the new pumping and oil transfer lines.
SIIRTEC NIGI SpA	ENI SpA	Zubair Oil / Gas Field	824 MMSCFD / 33000 bopd	Zubair - Iraq	FEED preparation for new Oil & Gas Treatment Plant
SIIRTEC NIGI SpA	Enel Power	Ammogen	900 Kg/h NH3	Torrevaldaliga - Italy	Plant Start Up
SIIRTEC NIGI SpA	Gazprom	Portovaya GTP	170 MMSCFD	Russia	3D Model review – Hazop Analysis – Operating Manual
TECHINT	kJO	Al Khafji Joint Operations – Hout Crude Facilities	100,000 bopd	Saudi Arabia	Process Design Oil treatment plant
TECHINT	Eni SpA	Val D'Agri Debottlenecking Project		Val D'Agri Oil & Gas Plant - Italy	TEG Dehydration & Amine Sweetening Units Revamping – Flare system debottlenecking
TECHINT	ENERGO PROJEKT WARSAWA	OPOLE POWER PLANT	2 x 890 MW	Opole - Poland	Process Design of Water treatment unit for Power Boiler Feed / Process Design of water cooling system
Festina Lente Srl	ENPPI / Rashpetco	Rossetta Gas Field Upgrade Project	6000 bopd	Egypt	Separator Process Sizing
Festina Lente Srl	ENPPI / KHALDA PETROLEUM COMPANY	Kalabsha 40000 BOPD Oil Facilities Project	40,000 bopd	Egypt	Separator Process Sizing
Festina Lente Srl	Pharaonic Petroleum Company	West Harbor Expansion Project	443 MMSCFD	Western Desert Egypt	Process Sizing / Process Calculation reports / Safety valves / depressurization / Cathodic Protection / Hazop
BASSI	Foster Wheeler / In Salah Gas	In Salah Southern Field Project	500 MMSCFD Gas / 250 m3 SLUG Capacity	In Salah - Algeria Onshore	Finger type Slug Catcher – Process Design and calculation report
BASSI	Chevron	Wheatstone LNG Plant Project	2500 m3 SLUG Capacity	Australia	Finger type Slug Catcher – Process Design and calculation report
TECHINT	Eni Congo SpA	M'Boundi Oil & Gas Treatment Plant	3 MMSCMD	Congo Onshore	TEG Dehydration & Regeneration Process design
AUSY	Eni SpA	Heavy Oil transfer line to storage tank	170 m3/h	Raffineria di Sannazzaro (PV)	Pressure drop calculation and Pump selection
BELLELLI	Bakhtar Petrochemical Company	DONOR Drying Package	1 m3/h	IRAN	Process calculation for molecular sieve drying package
SIIRTEC NIGI SpA	KBR	West of Shetland FPSO Project	& MMSCMD	North Sea	TEG Dehydration and Regeneration Units Process Design
SIIRTEC NIGI SpA	Enel Power	Ammogen	900 Kg/h NH3	Torrevaldaliga - Italy	Revamping of existing heating steam and desuperheating system

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2011					
IMS	PETROFAC / QATAR Petroleum	New AGR Unit at DUKHAN Plant	9,5 MMSCMD	Dukhan Plant – Qatar Onshore	Process Design of the new Gas Dehydration and TEG Regeneration Plant
IMS	PETROJET / PETROBEL	New Denise Slug Catcher - Onshore	8 MMSCMD	El Gamil Plant - Egypt	Process Calculation of safety system – Safety Valves & depressurization
IMS	NPCC / ADCO	Qusahwira Full Field Development	0,9 MMSCMD	Abu-Dhabi	Process Calculation for TEG Contactor Blow Down system
DGImpianti/Tecnomare	ENI Congo	Litchendjili Onshore Oil/Gas Treatment Plant	2 MMSCMD + 750 Sm ³ /d oil	Congo Onshore	Basic Design of new Oil & Gas treatment plant
JACOBS	Eni SpA	Vacuum Tower overhead cooling system Debottlenecking	9,6 MW	Raffineria di Sannazzaro (PV)	Feasibility study for replacement of existing cooling water overhead condensers
JACOBS	Eni SpA	Crude Oil Storage & Transfer System	1900 m ³ /h	Raffineria ENI di Taranto - Italy	FEED preparation for the debottlenecking and optimization project of the existing crude oil storage and transfer system
AUSY	Polimeri Europa SpA	Butene transfer System from Unloading Facilities to storage tank	20 m ³ /h	Porto Marghera Plant (VE)	Feasibility Study & Transfer Pump selection for the Butene transfer from the truck unloading to the storage tank
AUSY	Eni SpA	Isostripper Tower Feed Preheater	1,2 MMkcal/h	Raffineria di Sannazzaro (PV)	Feasibility Study for Modification of existing control logic philosophy
REPCO	Edison	Centrale di Collalto	10 MMSCMD	Collalto - Italy	Dehydration and TEG Regeneration Units – Training Course
AUSY	Eni SpA	Vacuum Tower Bottom Product Cooling System	22 MMBtu/h	Raffineria di Sannazzaro (PV)	Feasibility Study for replacement of existing air cooler
AUSY	Eni SpA	Visbreaker bottom product transfer line to storage tank	80 m ³ /h	Raffineria di Sannazzaro (PV)	Feasibility Study for new transfer line and steam tracing system
JACOBS	Polimeri Europa SpA	Storage Tank Vapour Recovery Unit	1500 Nm ³ /h	Sarroch Refinery (Italy)	Basic design for vapour collecting and cryogenic treatment units
BASSI	Petrofac / In Salah Gas	In Salah CPF	15 MMSCMD Gas / 250 m ³ SLUG Capacity	In Salah - Algeria Onshore	Finger type Slug Catcher – Process Design and calculation report
SIIRTEC NIGI SpA	NEXEN Petroleum	“Golden Eagle” Platform	42 MMSCMD	North Sea Offshore	Process design of Gas Dehydration & TEG Regeneration Unit
SIIRTEC NIGI SpA	SAIPEM	B405B – Central Area Field Complex	123 MMSCMD	Sonatrach - Algeria	Process design of Gas Dehydration & TEG Regeneration Unit
JACOBS	LILLY	Water Injection & Purified Water Generation Packages		Sesto Fiorentino (Italy)	Basic Process Design
JACOBS	ARGOR HERAEUS	Technical and Process Utilities Section		Llay Lay (Cile)	Basic Design

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2012					
Maris	GasPlus	Poggiofiorito Stoccaggio	2 MMSCMD	Fornovo - Italy	Feasibility Study for new gas storage, compression and dehydration (by molecular sieve) plant
Maris	GasPlus	San Benedetto Stoccaggio	6,5 MMSCMD	Fornovo - Italy	Feasibility Study for new gas storage, compression and dehydration (by molecular sieve) plant
Basis Engineering	Edison / Abuqir	NAQ/PII Platform Debottlenecking	40 MMSCFD	Abuqir Field - Egypt	Abuqir Field Development – Existing NAQ/PII Platform Revamping – New Wells Exploitation
Basis Engineering	Edison / Abuqir	NAQ/PIII Platform	165 MMSCFD Gas + 1500 bopd	Abuqir Field - Egypt	Abuqir Field Development – New NAQ/PIII Platform – Feasibility Study
Basis Engineering	Edison / Abuqir	NAQ/PIII Platform	165 MMSCFD Gas + 1500 bopd	Abuqir Field - Egypt	Abuqir Field Development – New NAQ/PIII Platform – FEED Development
REPCO	Edison	Centrale di San Potito	10 MMSCMD	San Potito - Italy	Dehydration and TEG Regeneration Units – Operating Manual
REPCO	Edison	Centrale di San Potito	10 MMSCMD	San Potito - Italy	DEG Regeneration Unit – Operating Manual
REPCO	ABB / Eni Congo	M'Boundi Gas Treatment Plant	3,2 MMSCMD	Congo Onshore	Dehydration and TEG Regeneration Units – Basic Design – Process calculation report
REPCO	ABB / Eni Congo	M'Boundi Gas Treatment Plant	3,2 MMSCMD	Congo Onshore	Dehydration and TEG Regeneration Units – Operating Manual
REPCO	ABB / Eni Congo	M'Boundi Gas Treatment Plant	3,2 MMSCMD	Congo Onshore	Fuel Gas Package – Basic Design
BASSI	JKC	ICHTHYS Onshore LGN Facilities	45 MMSCMD Gas / 360 m3 SLUG Capacity	ICHTHYS - Australia	Finger type Slug Catcher – Process Design and calculation report
SIIRTEC NIGI SpA	NEXEN Petroleum	“Golden Eagle” Platform	42 MMSCMD	North Sea Offshore	Process design of Gas Dehydration & TEG Regeneration Unit
AUSY	ENI SpA	Noise Verification of Vapour Recovery System from Track Loading		Porto Marghera Plant (VE)	Process Verification of vapour recovery network in order to find out the cause of noise detected during loading operation
GESTALD Srl	KHALDA Petroleum Company	Three Phase Production Separator	20,000 BOD	Egypt	Separator Process Design
GESTALD Srl	COSTA CROCIERE	Air Compressor Package	14,000 Nm3/h	Italy	Process Calculation & Design of Air compression system for Costa Concordia wreck removal by sponson pressurization
JACOBS	Lilly	Sterilized Water Production		Italy	Process Calculation for Water treatment by Reverse Osmosis and Ultrafiltration Units
TECNIMONT SPA		LDPE PRODUCTION UNIT	300,000 tons/y	Mexico	Process Design of a new LDPE plant
BALLESTRA SPA		Sulphuric Acid Production Plant		India	FEED ENDORSEMENT
BALLESTRA SPA		Ethoxilates			Process Design

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2013					
Ballestra		New Sulphonation Plant			FEED
Maris	Società Padana Energia			Fomovo - Italy	Detailed Engineering for a New WellHeads Field and Gas Treatment Plant
Jacobs	ENI SYNDIAL	Industrial Water Treatment Plant	500 m3/h	Viggiano -Italy	Process Basic. including: Organic solvent stripping unit, Heavy metal oxidation unit, Sludge treatment section, waste vapor incinerator
Sicon Oil	GASCO	Gas / Condensate Pipeline			Flow Assurance – OLGA Simulation
JACOBS	ROCKWOOD	New Ferrous Pigments Production Plant			Process Basic
JACOBS		SM2 Synthesis – New Bulk Pharmaceutical Plant for API (Active Product Ingredients)		Savsky Marof (Croatia)	FEED
Ballestra		Roan Tailings Reclamation Project	900 Tons/day Sulphuric Acid & 100 Tons/day Liquid SO2		Process activities for EPC
Ballestra		PUMA Project	100 Tons/day Sulphuric Acid		Process activities for EPC
MARIS	ENI Congo	MARINE XII BLOCK – Litchendjili Gas Development		Congo	Process activities for EPC
Tecnimont	ENI	ETBE / MTBE Units Revamping		Ravenna Refinery (Italy)	Process activities for EPC
JACOBS	SAIPEM	New Gasoil Refinery		Venezuela	Basic Design & FEED – Amine Sweetening, SRU, Tail Gas Treatment, Sour Water Stripper Units
PEG Italia	DNO	Natural Gas Treatment Plant		Kurdistan	Gas Amine Sweetening Unit and Glycol Dehydration Unit – Basic Design
Tecnimont	OCI	New Fertilizer Complex		IOWA - USA	Utility System Design
MARIS	ENI	ANNABELLA Platform		Adriatic Sea (Italy)	Oily water treatment; Production Separator, Air Instrument; Blow down system; Fuel Gas Packages
JACOBS	ENI SYNDIAL	Groundwater Treatment Unit		Assemini (Italy)	Process Basic, including: Organic solvent stripping unit, Heavy metal oxidation unit, Sludge treatment section, waste vapor incinerator
JACOBS	HUNTSMANN	Tioxide Unit Flue Gas Treatment System Revamping		Scarlino (Italy)	Feasibility Study. Comparison of different technologies for SOx abatement
JACOBS	ENI VERSALIS	New C4 stream Hydrogenation Unit		Brindisi Plant (Italy)	FEED.
PUMA PROGETTI	APENNINE	Gas Dehydration Unit		Villa Tiberi (Italy)	Basic of a Gas Dehydration Unit by Molecular Sieve Adsorption
PUMA PROGETTI		Gas Sweetening and Hg Removal Units			Feasibility Study
PUMA PROGETTI	DORIS INTERNATIONAL	New Melt PET Transfer Line			Pressure drop calculation and line sizing
PUMA PROGETTI	AGIP	Pozzi Ravizza e Bagnolo in Piano Revamping		Reggio Emilia (Italy)	Feasibility study for Well Heads, gas/oil separation, transfer line and ancillary equipment development

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2014					
REPCO	B.H.E.L.	MARIB PHASE II – Fuel Oil Treatment Unit	600 m3/h	Safir - YEMEN	Process activities for EPC
SIIRTEC NIGI SpA	Zhaikmunai	GTU-3 – NEW GAS / CONDENSATE TREATMENT UNIT	6 MMSCMD GAS + 11000 MCD CONDENSATE	Kazakhstan	Detailed Process Design. Inlet Slug catcher,
SIIRTEC NIGI SpA	S.O.C.	NEW GAS COMPRESSION STATION	240 MMSCFD	Zubair - IRAQ	Process Basic Design
SIIRTEC NIGI SpA	LUKOIL	Glycol Gas Dehydration Unit	0,360 MMNMCD	Perm	Process Basic Design
SIIRTEC NIGI SpA	LUKOIL	Glycol Gas Dehydration Unit	1,3 MMNMCD	Perm	Process Basic Design
PUMA PROGETTI	ITP/BENELLI	New Off-Shore Gas Compression & Gas Dehydration & Utilities	250 MMSCFD	Iran	Basic and Detailed Engineering development
BASSI	PETROFAC	New Finger Type Slug Catcher	24 MMNMCD	Muscat - OMAN	Equipment Sizing and Process Design
FOSTER WHEELER	PRIOLO REFINERY	Aromatic unit –C9+ Stream Upgrading		Siracusa-Sicilia	PIDs, Tie-in list, Consumption list, Equipment list, Line list
FOSTER WHEELER	BIOGEN	Project Biogen Idec is a multipurpose plant for the production of therapeutic proteins from mammalian cell culture processes		Hillerød (DENMARK)	FAT activities in Austria (Linz and Gratz): Mechanical check and management open point Punch list; Data sheet, PIDs, Line Sizing, PSV, Pump, Material Requisition, Line list, Tie-in list, Valve list, PFDs
JACOBS		Revamping of Sarroch Refinery		Cagliari (Italy)	PSV calculation of existing equipment after revamping, PSV for new equipment
TECNIMONT		Tempa Rossa Project Development		Potenza (ITALY)	Unit developed: Flare K.O.Drum ,Closed Drain, Open Drain,Vapour Recovery Unit
FOSTER WHEELER		Anwerup Project (Antwerp Refinery Upgrade)		BELGIUM	PID management, Hazop Recommendation follow-up, Line List and Tie-in List management

Client	End User	Project Name	Plant Capacity	Project Location and Country	OILTECH Scope of work
Year 2015					
ABB	ENI-ALGERIA-SONATRACH	New wells and relevant gathering system		Hassi Messaoud-Algeria	PIDs, Process simulation, Heat material balance, Equipment design, Technical documentation
CSI IMPIANTI	ENI-ALGERIA-SONATRACH	Menzel Ledjmet East Project 16 new wells and relevant gathering system		(MLE) - Algeria	Wellhead Network, Process simulations, Heat and Material Balance, P&ID, PFD, Test Separator Verification.- Operating Manual
JACOBS	BOLTON-ALIMENTARI	KADIMA 1 : Steam Accumulator for Autoclaves.		Cerrmenate (CO) ITALY	Steam Accumulator Calculations, Condensate Storage System Calculation (Storage Tank + Pump), P&ID, Line Size, Control Narrative.
JACOBS	HELSINN ADVANCED SYNTHESIS S.p.A.	Vent System and process treatments in Centrale		Biasca (SVIZZERA)	Exhauste Gas Discharge Layout, Line Size Calculation.

JACOBS	NOVARTIS	New Milling and Blending Center		Stain (SVIZZERA)	Equipment Sizing and Design Criteria Analysis, Building Arrangement, Equipment Consumption.
JACOBS	SANOFI-AVENTIS S.P.A.	SANOFI JEWEL		Anagni (FR) ITALY	Process Description
PUMA PROGETTI	APENNINE	Gas Dehydration Unit		Nervesa della Battaglia (ITALY- VENETO)	Process Design, PFD, P&ID, Heat & Material Balances – Equipment and line sizing - Depressurization system, PSVs
SIME	MaerskOil Kazakhstan	Dunga Field Development Phase II	18'000 bpd of Oil and associated gas	Dunga Field, (KAZAKHISTAN)	Bid preparation for Vapour Recovery Package; Bid preparation for Flash Gas Booster Compressor and Inlet Compressor Package; Bid preparation for Produced Water Treatment Package.
FIORENTINI	TECNIMONT/ADCO	ALDABB'AYA PLANT – Gas Dehydration & Glycol Regeneration Unit	227 MMSCFD of Wet Gas	Abu Dhabi - Arabia	Bid Preparation – PFD – H&MB – Equipment Sizing – Line sizing – Utilities Consumption – P&ID Review
FESTINA	KHALDA PETROLEUM COMPANY	New Separators Interconnecting Project		AG –SAG Oil-Gas Field - Egypt	Equipment and Line Sizing – PSV and Blow Down System – PFD – H&MB - P&ID
CSImpianti	SAIPEM	Litchendjili On Shore Plant – Produced Water Treatment Plant		Congo	Operating & Maintenance Manual
CSImpianti	SAIPEM	Litchendjili On Shore Plant – Sanitary Water Treatment Plant		Congo	Operating & Maintenance Manual
BASSI	JGC Corporation	Tanggung Expansion Project – New Finger Type Slug Catcher		Bintuni Bay - Indonesia	Slug Catcher Sizing

7. FINANCIAL INFO

Annual turn-over:

<u>Year</u>	<u>Sales (€)</u>
2013	711,000
2014	562,000
2015	466,000
2016	595,000
2017	640,000 (budget)

Bank references: Banca Popolare di Milano
Branch No. 26 – Milan – Piazza Duca d’Aosta, 8/2

Banca Intesa San Paolo
Branch No. 4232 – Milan – Piazza Duca d’Aosta, 28

8. CURRICULUM VITAE

Key Personnel Curriculum Vitae are available on request.