



SIMECO - ENGINEERS & CONTRACTORS

Company Profile

ver 7.02

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□ Introduction

SIMECO, established in 1984, has gradually grown up into a **leading medium size Engineering and Contracting Company**.

In 1988 SIMECO:

- acquired the Technical Departments of an external Company;
- renewed Company's Management;
- reorganized Company's structure and strategy;
- invested in personnel training and information technologies.

SIMECO now offers :

- **competitive services** from **basic design, FEED detail engineering and site services**, for Oil & Gas Sectors (On-shore/Off-shore Upstream Facilities, Refining), Pipelines, Petrochemical & Chemical Plants, Power Plants (including renewable energies), Plant Off-sites & Utility Generation Units.
- **contracting** for the execution of projects on **turn key lump sum** basis. In order to tender for turn-key EPC project up to 50 Million Euro investment, the bidding alternative is either to participate as Main Contractor with nominated Sub-contractor or in Joint Venture with selected Construction Companies.

Our Yearly Turnover is around: **17,000,000 Euro**



□ Introduction | Continued

SIMECO affiliated Company:

SIMECO.Systems d.o.o.

Sarajevo (Bosnia and Herzegovina)

Company specialized in Consulting, Engineering and Procurement in field Oil, Gas and Power Industry

SIMECO affiliated Branch:

SIMECO Bahrain Office

Regional Office established in Bahrain

SIMECO sister Company:

STREAMLINE Engineering S.r.l.

Milan (Italy)

A Company for oil, gas pipeline services and design with operational offices located in SIMECO's headquarter.

CO.IMP S.r.l.

Milan (Italy)

A Company of consulting and design for the petrochemical, chemical, pharmaceutical industries with operational offices located in SIMECO's headquarter.

INGE Impianti S.r.l.

Milan (Italy)

A Company specialized in Expediting and Inspection activities with offices located in SIMECO's headquarter.

CO.ME.CF Impianti S.r.l.

Ferrera Erbognone – Pavia (Italy)

A Company for Construction&Assembly of Plants.

PnT Process & Technology S.r.l.

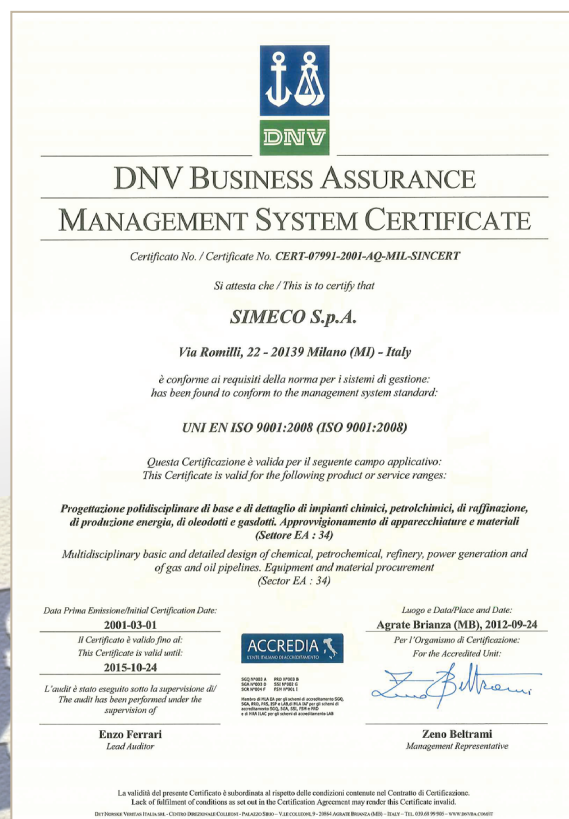
Milan (Italy)

A Company specialized in Process Design for Petrochemical & Chemical Plants with offices located in SIMECO's headquarter.



□ Quality System

SIMECO Quality System is certified by D.N.V. (Det Norske Veritas) for conformity to the Requirements of ISO 9001:2008 for multidisciplinary basic and detailed design of chemical, petrochemical, refinery, power generation and of gas and oil pipelines, equipment and material Procurement.



DET NORSKE VERITAS
QUALITY MANAGEMENT SYSTEM CERTIFICATE
Certificate No. CERT-07991-2001-AQ-MIL-SINCERT
Si attesta che / This certifies that
the quality management system of

□ Company Capabilities

SIMECO has the capabilities, the experience, the organization and the highly experienced professional staff required to provide the following Services:

- Feasibility Studies and Economical Evaluations;
- Consulting;
- Project Management;
- Basic Engineering;
- Process Engineering;
- Project Planning, Estimating & Scheduling;
- Risk Analysis and HSE Reports;
- Detail Engineering;
- Procurement Activities;
- Expediting and Inspections;
- Construction Management & Supervision;
- Plant Start-up Assistance and Operations.

□ Main Features

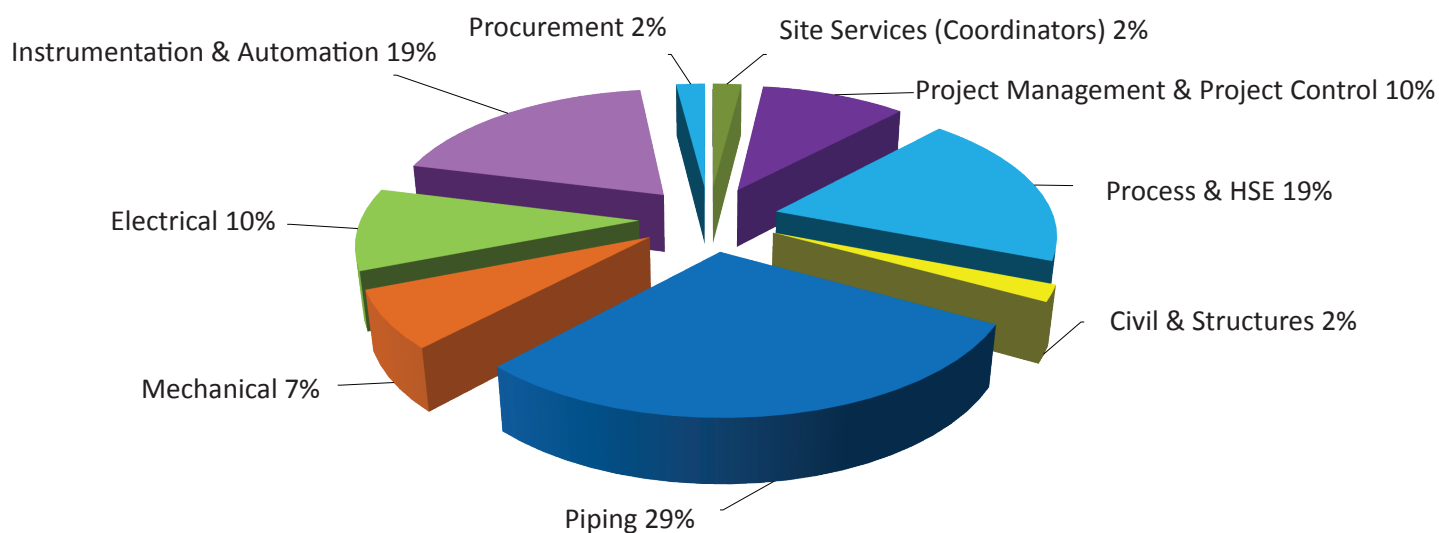
SIMECO main features are following:

- Excellent technical skills
- More than 25 years experience in project execution;
- Single point responsibility from conceptual design to project completion;
- 1800 m2 office including 100 m2 available for Client's representatives;
- Solid financial credential with the Italian Banking Organization.



□ Work Force | Graphical

Our company's most valuable asset is in human resources possessing qualified technical skills thanks to SIMECO solid experience and well designed professional training.

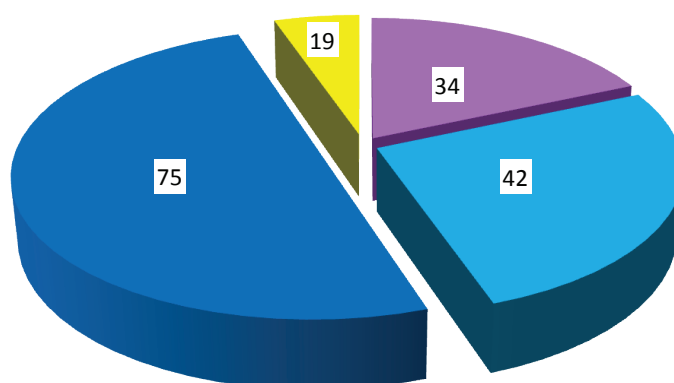


In-house available work force (total 170) is approx. **300,000 engineering man-hours (EMHS) per year**. Additional manpower can be easily mobilized: through permanent sub-contracting agreements with other engineering firms **400,000 EMHS per year** can be reached.

□ Engineering Dpt. | Experience

Years of experience

- < 3
- 3 - 7
- 7 - 15
- > 15



□ Company Organization

□ Project Management Activities consisting of:

- Contractual documents re-examination
- Contract Validation & Endorsement
- Project Planning
- Project Team Building
- Client Requirements and set up Project Organization
- Design Development & Project Control
- Multidisciplinary Review & Control of the documentation
- Project Change Management
- Handing over & Client acceptance

For Multidiscipline Engineering Services that are required by stand-alone Projects a fully dedicated Task Force is appointed from time to time. A Nominated Project Manager, who reports directly to the Operation Director, performs the co-ordination of the activities. Concerning the Monodiscipline Projects the management activity is usually demanded to the Technical Manager of the concerned discipline.

□ Project Quality Management System (PQMS)

SIMECO PROJECT QUALITY MANAGEMENT SYSTEM (PQMS) is organized in five levels as follows:

Level 1

The **Project Execution Plan** identifying the organization, interfaces, authorizations, reporting levels and the execution method for the successful completion of the project.

Level 2

The **Project Quality Plan** defining the overall **Quality Assurance (QA)** and **Quality Control (QC) Procedures** ensure that all the contracted activities are planned and performed in such a manner they are safe, reliable, error free as well as achieving quality requirements within the budget and schedule limits.

Level 3

The **Project Procedures**, covering the scope of the contracted work shall be selected from the CLIENT Standards / SIMECO ones and amended, where necessary, to become project specific .

Level 4

Codes and Standards ensuring that design, procurement and construction meet the requirement of regulatory, health, safety and environmental aspects.

Level 5

Project Quality Audits identifying the solutions for any deficiency detected and to highlight improvement areas.

□ HSE Approach

SIMECO approach ensures that any project execution route satisfies the requirements of health, safety and safeguard of the environment by adopting effective HSE procedures during the implementation of both Home Office and Site Activities;

The HSE Dept of the Company is in charge and responsible to prepare the Health, Safety and Environmental Plan, identifying and defining all the Laws, Codes, Project Specifications and Standards to be applied during the Engineering, the Procurement and the Construction Phases of each Project.



□ Main Tools

□ Main Tools | Information Technology

In order to provide the Clients with high quality services, SIMECO is maintaining elements up to date.

- Network
- Hardware
- Software
- Internet IT Dept.

□ Main Tools | Software

- HYSYS / (Process simulators)
- AFT Arrow / Fathom / Impulse (steady state & dynamic simulation of pipeline networks)
- LEDA FLOW / Flow Assurance, Dynamic Multiphase Flow;
- HTRI/ MT-EXCH / VESS / COMP 6258 / LAYOUT (Design of heat exchangers, air coolers, pressure vessels, compressors)
- AspenOne Engineering Desk Top (Process simulators) including HYSYS / Crude / Amines / Dynamics / Upstream dynamics / Petroleum Refining / Flare system analyzer / Energy analyzer;
- AVEVA PDMS (3D plant modeling)
- Intergraph PDS (3D modeling) with FRAMEWORK (3D modeling of steel structures) and ELECTRICAL RACEWAY (3D modeling of cable raceway)
- ETAP / NEPLAN / CYME (integrated design optimization and simulation for power systems)
- AMPERE PROFESSIONAL (electrical system's integrated design)
- PRYSMIAN JDC (electrical cable sizing)
- DIALUX (lighting calculations)
- ZEUS (lightning protection system design)
- SUN SIM (Photovoltaic plant sizing)
- TEKLA (3D modeling for steel works & concrete / analysis & design for steel works & concrete)
- Caesar (Stress analysis)
- Instrucalc (PSV & control valves sizing)
- Intergraph/InTools / Smart Plant Instrumentation (Instrumentation data manager)
- FOUNDATION 3D/MAT 3D (design for concrete foundations)
- SAP 2000 (design for steel structures)
- MS Project (Planning)

□ Main Projects

□ Turn Key Basis

CLIENT	PROJECT / LOCATION	CONTRACT VALUE	YEAR
ENI S.p.a Div. R&M	New Vacuum Column & Automatic Filtration System on the existing FCC Plant of the Sannazzaro de' Burgondi Refinery	11.000.000	2011 -in progress
ENI S.p.a Div. R&M	Liquid Sulfur Transferline from Refinery Storage to Unit producing Solid Chips of the Taranto Refinery	1.100.000	2010
ENI S.p.A. Div. R&M	C4 Butylene Stream Dryer Package: Engineering, Material Supply and Construction up to Pre-commissioning of the Sannazzaro de' Burgondi Refinery	8.500.000	2008-2009
POLIMERI EUROPA	W.W.T. Covering System and Hydrocarbon Separation Unit by Cryogenic Condensation System in Sarroch Petrochemical Complex	6.000.000	2007-2008
RAFFINERIA DI MILAZZO	Marine Loading Arms revamping & replacement on Pier 2 – Mooring 06 bis of the Milazzo Refinery	2.800.000	2007
RAFFINERIA DI MILAZZO	Pier 2-Marine Loading Arms revamping: n.4x16" loading arms dismantling and replacement of the Milazzo Refinery Terminal	3.000.000	2005
RAFFINERIA DI GELA	New Instrumentation System (DCS) for Waste Water Treatment Unit of the Gela Refinery	1.400.000	2004
AGIP GAS	Railway Loading Arms extension for GPL storage and supply of underground tanks for the Livorno Storage Facilities	3.800.000	2000

Engineering

PLANT	PROJECT / LOCATION / CLIENT	CONTRACT MAN HOURS	YEAR
KEROSENE DESULPHURIZATION UNIT	Front End Engineering Design for Revamping of HDS1 Unit / Raffineria di Milazzo (Italy)	10.000	2013
TREATED DEASPHALTED AROMATIC EXTRACT	Extended Basic Design Package for a New TDAE Unit / ENI R&M Div., Livorno Refinery (Italy)	10.000	2013
W.W.T. for Water Re-use	Multidiscipline Engineering Design for a New Waste Water Treatment Package / ENI S.p.A. Div. R&M	18,000	2011-2012
OFFSHORE PLATFORMS	Front End Engineering Design for n° 3 new gas platforms located offshore Adriatic Sea (Italy) and the relevant +/- 15% Cost Estimate /ENI S.p.a E&P Div.	50.000	2010-2011
COMBINED HEAT & POWER PLANT	Front End Engineering Design, +/- 15% Cost Estimate and preparation of EPC Tender Documents for Power Plant Revamping located in Bolgiano, San Donato Milanese (Italy) / ENIPOWER.	18.000	2010
RESIDUE HYDROCRACKER	Multidiscipline Engineering Design of EST Project- ENI R&M Div. in Sannazzaro Refinery in Italy / SAIPEM S.p.A.	220.000	2009-2012
AMMONIA PLANT/ UTILITY UNITS	Multidiscipline Engineering Design of QAFCO5 Project in Qatar/SAIPEM S.p.A.	170.000	2008
AMMONIA & UREA PLANTS	Multidiscipline Engineering Design of ENGRO Project in Pakistan/ SNAMPROGETTI S.p.A.	90.000	2007
OFFSHORE AND MARINE TERMINALS	Conceptual Design, Basic Design & FEED for Trans-anatolian Pipeline , Samsun and Cehyan Marine Terminal Oil Storage Facilities in Turkey/ SNAMPROGETTI S.p.A.	90.000	2006-2007
WATER INJECTION SYSTEM , POWER GENERATION PLANT & UTILITY PACKAGES	Water Injection System & Power Generation Plant Multidiscipline Engineering Design and ITB for EPC of the Elephant Oil Field at the Murzuk Basin-Libya/ ENI Oil Co. Ltd Libyan Branch	25.000	2005
HYDROFINISHING UNIT & OFFSITE REVAMPING	Multidisciplinary Engineering Design of the Lubricants Re-refining Plant -Lodi (Italy)/ VISCOLUBE S.p.A.	50.000	2003

□ Power Plants

FUEL	MWE	CLIENT	COUNTRY	DESCRIPTION	YEAR
NG	130	Versalis	ITALY	FEED & CAPEX Estimate and Detail Design	2012
NG	140	Enipower	ITALY	FEED & CAPEX Estimate	2011
PV	4	Enipower	ITALY	DETAIL	2009
PV	1	Enipower	ITALY	DETAIL	2009
BIOMASS	10	SIRAM	ITALY	Conceptual Design & CAPEX Estimate	2009
BIOMASS	14	SIRAM	ITALY	Conceptual Design & CAPEX Estimate	2008
BIOMASS	17	POLIMTECH for TECNIMONT	ITALY	BASIC	2008
Coal	350	POLIMTECH for TECNIMONT	Bocamina (Chile)	BASIC	2007

□ Long Term Agreements

Long term agreements in force with Primary companies are:

CLIENT	ACTIVITIES
SAIPEM S.p.A.	Feasibility, Basic, Front End and Detailed Multidiscipline Engineering; Flow Assurance & Process Design for Subsea Systems
ENI VERSALIS RAFFINERIA DI GELA	Feasibility & Conceptual Studies, Cost Estimates, Basic Engineering & Process Design Packages
E.ON	Owner's Engineering Services for Combined Heat & Power Projects
SARAS	Feasibility, Basic, Front End and Detailed Engineering
TECNOMARE	Electrical and Instrumentation & Control Engineering
TRANSMEDITERRANEAN PIPELINE COMPANY	Owner's Engineering Services for Transmediterranean Pipeline
URS	Owner's Engineering Services for Adriatic LNG (Liquefied Natural Gas Terminal)
ENIPOWER S.p.A.	Feasibility, Basic, Front End and Detailed multidiscipline Engineering

□ Main Clients

ABB
 ALSTOM POWER
 BONATTI
 EDIPOWER
 ENELPOWER
 MELLITAH OIL & GAS B.V. (former ENI Oil Co. Libyan Branch)
 ENI E & P Division
 ENI R & M Division
 ENIPOWER
 FMC EUROPE
 FOSTER WHEELER ITALIANA
 GELA REFINERY (Raffineria di Gela)
 GENOVA PORT AUTHORITY
 IPLOM
 ITALGAS STORAGE
 MILAZZO REFINERY (Raffineria di Milazzo)
 POLIMERI EUROPA
 PRAOIL Oleodotti Italiani
 SAIPEM
 SIRAM
 STOGIT
 TAMOIL
 TRANSMEDITERRANEAN PIPELINE COMPANY
 TECNIMONT
 URS / ADRIATIC LNG
 VISCOLUBE



□ Notes

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