S TONENG S.r.l.

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1. SHORT INTRODUCTION





STONENG S.r.l. is a leading Italian Engineering Consulting Company in the field of on-shore, off-shore, chemical, petrochemical, naval and pharmaceutical field.

The provision of Technical Services for Companies, is the mission of the STONENG S.r.l. and today is the image of itself in the world.

STONENG S.r.l. is made up of company and people who share long-lasting and valuable relationship between them.

We pay great attention to deliver the highest possible standards of quality and efficiency to our Clients.

The development of Engineering (process, basic, feasability study and detail) is performed by qualified personnel and latest generation softwares.

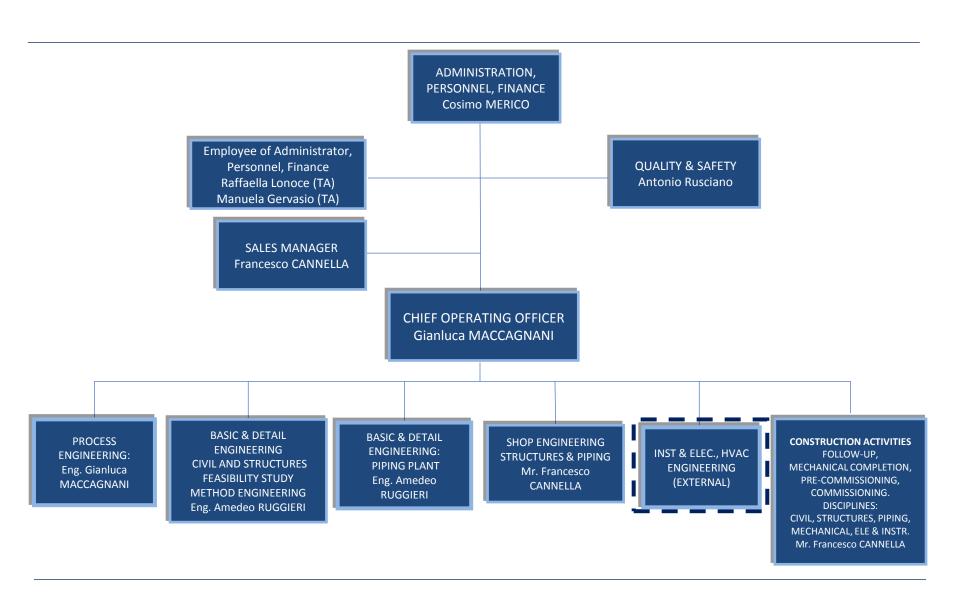
The Consulting of the STONENG S.r.l. is dedicated to the Clients and is not a standard. This is defined and agreed with the Clients according to the their needs, targets and requests.

The STONENG S.r.l. has constantly and successfully made available its technical and management skills for the execution of important projects in Italy and abroad collaborating with some of the main EPC companies such as, just to name a few, SAIPEM, Rosetti Marino etc.

Our primary goal is customer's satisfaction and for this reason we aim to provide services placing our utmost attention to quality, on time delivery, and HSE especially when we are involved in operation activities.

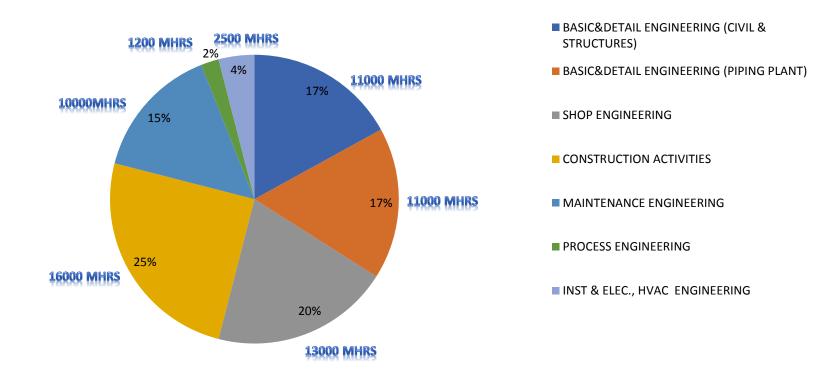
2. ORGANIZATION CHART





3. YEARLY WORKLOAD ACTIVITIES







4. EXPERTISE

The STONENG S.r.I. coordinates and/or develops all ordinary engineering activities as well as the technical aspects of a work order from the beginning to the end of each project.

Main Activities

PROJECT MANAGEMENT

We provide expertise, skills and technology for developing of complex projects

MODELING 3D FOR MANUFACTURING

Through the use of specialized software we develop prototypes for subsequent sending to the production

CONSULTING

We provide consulting and training in the area of industrial engineering, safety and security work, fire-prevention.

ENVIRONMENT & ALTERNATIVE ENERGY

Environment, alternative energy, industrial wastewater treatment, we provide advice and support for construction of turnkey plants

ENGINEERING

The consolidated multidisciplinary expertise, enables us to support the Customer in the development of civil engineering, piping, mechanical, process.

AUTHORIZATION ENGINEERING

We assist the Customer in the development of the necessary authorization procedures for issuing licenses for building.

- ANSYS

SOFTWARES

- CESAR II

- SAP 2000 - STAAD PRO - CATIA V5

- SOLIDWORKS

- HTRI

- SACS - PV-ELITE

- PIPEPHASE

- TEKLA

- PDMS

- PDS

- AUTOCAD

- SMARTPLANT 3D

- AUTOCADPLANT 3D



2019 - Rosetti Marino Spa - Shop Drawings Structures for Jacket Tolmount Project

2019 - Sodai Srl - Revamping plant TAF ENI Refinery of Sannazzaro

2020 - Bonatti / Fano - Detailed engineering, for Piping 2020 - Suez Spa - Technical Service in Water Treatment Place (Napoli) 2020 - Baker Hughes - Detailed engineering for Skid 2020 - Sea Srl - Technical process assistance for the pem cemen-tificio project of lafarge holchim at the le teil factory 2020 - Aeron Europe Srl - Detailed engineering for Support Sarlux Rafinery 2020 - Aeron Europe Srl - Detailed engineering for VRU for ENI Rafinery of Taranto 2020 - MARINA MILITARE - Engineering services for PFTE-PSC JP5 POL Chiapparo 2020 -RINA/Saipem - Engineering services for Mechanical Design and Vendor Follow-Up of pressure equipment ANADARKO Project 2019 - FBM Srl - Modeling and Design Structures for Tecnip projects 2019 - EXSPERTISE/ENI R&M - Detail Engineering "Sulfur Degassing Column", Piping Discipline 2019 - SIMECO/ENI R&M - Basic VRU Extra Rete load shelters 2019 - SIMECO/ENI R&M - Basic additives for finished Products 2019 - SIMECO/ENI R&M - Specific for RdA and Technical alignment for VRU Race for the bitumen storage tanks north of the SS 106 2019 - SUEZ / PIZZAROTTI - Engineering activities for SUEZ / PIZZAROTTI - Cuma Purification plant - Biogas Plant 2019 - SIMECO/ENI R&M - Basic Revamping of fresh water supply to the fire prevention system - Zigari pumps scaling 2019 - SIMECO/ENI R&M - Basic vapor recovery from ship loading to fuel gas network 2019 - SIMECO/ENI R&M - Basic Filtration of bitumen vapors from Navi loading 2019 - SIMECO/ENI R&M - Process engineering for new bitumen VRU implementation with Labio Test Technology 2019 - PES Srl/ENI R&M - Process engineering for VRU improvements T-3260 and T-3261 2019 - PES Srl/ENI R&M - Detailed engineering for Hot Oil adjustment 2019 - PES Srl/ENI R&M - Engineering assistance Punch List Contingency Plan 2019 - VERTICAL - Basic & Detail Engineering for Vertical Wind Tunnel Project 2019 - PES Srl - Multidisciplinary Engineering Offshore Energean Prinos Project 2019 - PES Srl/ENI Refinery of Taranto - Technical and Process assistance for commission T-3143 - verification of new utilities circuit (hot oil and cooling) at the service of bitumen pumps P-3278 a / b / c T-3143 at the ENI Refinery of Taranto 2019 - PES Srl/ENI Refinery of Taranto - Technical and Process Assistance for the Garo Project at the ENI Refinery of Taranto 2019 - Ghana / Saipem Spa - Mechanical Completion & Engineering, for Piping & Structures for EPCI TEMA Project 2019 - Saipem Spa / Milan - Modelling Activities for Lukoil Project 2019 - Basis / Rosetti Marino - Detailed engineering, for Supports Living Quarter Tyra Project 2019 - Star (Arabia) - Primary and Secondary Structures Shop Drawing of Berri 521-525 WHP Deck 2019 - Ghana / Saipem Spa - AS-Built Structures & Piping for TAKORADI - TEMA Project 2019 - Ghana / Saipem Spa - Detail Engineering for Structures for TAKORADI - TEMA PS-02, PS-03, PS-06 Project 2019 - Ghana / Saipem Spa - Mechanical Completion & Engineering, for Piping & Structures for EPCI TAKORADI Project 2019 - Saipem Spa - Modelling and Drafting Activities for SAIWEST-Eni-Ghana-EPIC Takoradi - Piping Supports 2019 - Saipem Spa - Modelling Activities for Dogger Bank Jacket Project 2019 - Star (Arabia) - Primary, Secondary and Tertiary Structures Shop Drawing of Berri Tp-4 Jacket 2019 - Saipem Spa / Milan - Modelling and Drafting Activities for Ca Voi Xhan Project 2019 - Saipem Spa - Modelling Activities for STD E&I Supports & Outfitting 2019 - Star (Arabia) - Isometric Spooling Drawing Preparation BERRI TP-4 Deck 2019 - Star (Arabia) - Isometric Spooling Drawing Preparation MRJN TP-1 Deck 2019 - Star (Arabia) - Tertiary Structures Shop Drawing of Berri Tp-4 Deck 2019 - Star (Arabia) - Primary and Secondary Structures Shop Drawing of Berri Tp-4 Deck 2019 - Star (Arabia) - Primary and Secondary Structures Shop Drawing of Mrjn Tp-1 Deck



2015 - ENI R&M - Sannazzaro (ITALY) - Basic engineering for the rationalization of the highpressure steam circuit

2015 - ENI R&M - Sannazzaro (ITALY) - Detailed engineering the insertion of filters on the PREFLASH E90104 bottom column circuit of the EST plant

2018 - Tecnomec Engineering S.R.L. - Skids Aeron Detailed engineering, for structure and piping activities. 2018 - Ilva Spa - Taranto (Italy) - Professional services for final and executive project design, including drafting variant for the fire prevention project of the temporary storage depot III "IMA". 2018 - Sime Srl - Detailed Electrical engineering, for Ferrara Eni Power 2018 - Sime Srl - Detailed Electrical engineering, for Ravenna Eni Power 2018 - Saipem Arbatax (Italy) - Detailed engineering, for Piping Isometrics for Sabratha Project 2018 - Saipem Spa - Technical Bid Evaluation Piping & Structure 2018 - Rosetti Marino Ravenna (Italy) - Detailed engineering, for structure, Living Quarter Tyra Project 2018 - Saipem S.P.A. - Field Engineer activities in Ghana, for Piping & Structures for TAKORADI-TEMA INTERCON PROJECT (TTIP) 2018 - Saipem S.P.A. - Detailed engineering, for Piping Isometrics and TestPack for TAKORADI-TEMA INTERCON PROJECT (TTIP) 2018 - Abel Group - Detail Eng. Piping Activities - Tenova Plant 2018 - Pt. Saipem Indonesia Karimun Branch - Bp Tangguh Expansion Project Offshore Ga - Production Facilities (Gpf) Shop Drawing For T & I - Fabrication Items 2018 - SARAS - Cagliari (ITALY) - Project Management VRU AEREON for Saras 2018 - ENI R&M - Taranto (ITALY) - Basic BD Vapor Alignment 2018 - ENI R&M - Taranto (ITALY) - Contingency Plan to increase crude hesitation 2018 - Le.De. S.p.A / ILVA Taranto - Detail Eng. Structure, Piping & E&I Activities - Temporary Oil Storage 2018 - Saipem S.p.A. - Tekla Modeling of Structures - Taranto Wind Farm 2018 - SAIPEM - Tekla Modeling of Jacket and Topside Structures Lift and Float Over Neptune Project Solutions 2017 - FMB/Proger - SANNAZZARO (ITALY) - Piping Activities in Sannazzaro Rafinery2017 - Officine RAM (ITALY) - Structure, Isometric Spooling, E&I Dwg Preparation NASR Project 2017 - FMB/Proger - LIVORNO (ITALY) - Piping Activities in Livorno Rafinery 2017 - ENI R&M - Sannazzaro (ITALY) - Revamping TAF - Raffineria Sannazzaro 2017 - EUROSPITAL - Trieste (ITALY) - Relocation of diagnostic production plants - Dimensioning of HVAC systems and cost estimate +/- 20% 2017 - Rosetti Marino - RAVENNA (ITALY) - Detailed engineering, for structure, Fabrication of Spool Project 2017 - ERSAI - Kuryk (Kazakhstan) - Structure Activities in Kurik Yard (KZ), for structure for TCO Project 2017 - SAIPEM TAQA AL RUSHAID STAR (Saudi Arabia) - Isometric Spooling Drawing Preparation MRJN&ZULF and SAFANIYA Decks 2017 - PT Saipem Indonesia- INDONESIA - Isometric Spooling Drawing Preparation for TANGGUH Project 2017 - Rosetti Marino - RAVENNA (ITALY) - Detailed engineering, for structure, TCO Project 2016 TCO FGP/WPMP Project (Future Growth Project / Wellhead Pressure Management Project) - Tekla Structures Modeling 3d, Shop drawing for steel structures 2016 KUWAIT - NEW PREFABRICATION YARD - Design, basic and detailed engineering, calculation of structures and foundation, piping, mechanical, electric & instrumental 2016 - Rosetti Marino - RAVENNA (ITALY) - Detailed engineering, for structure, LER 51 Project 2016 - ENI R&M - Taranto (ITALY) - Detailed engineering of off-shore plant interventions to allow the increase in hesitation by sea of the Tempa Rossa crude. 2016 - ENI R&M - Taranto (ITALY) - Detailed engineering of off-shore and on-shore plant engineering interventions to allow the increase in the hesitation of bitumen by sea. 2016 - ENI R&M - Taranto (ITALY) - Basic engineering for plant modifications to improve the efficiency of the loading vapor recovery system of bitumen and crude tanks 2016 - VERSALIS - Brindisi (ITALY) - Process study to verify the best technology applicable to the vapor recovery system for heavy BK 2016 - Salp/ENI - Viggiano (ITALY) - Mechanical Completion & Engineering, for Piping Centro Oli Viggiano 2016 - Star (Arabia) - Detailed engineering, for piping for ARBI 20-23 Project 2016 - Star (Arabia) - Detailed engineering, for structure for Karan Project 2016 - ERSAI - Kurvk (Kazakhstan) - Detailed engineering, for structure for TCO Project 2016 - Petromar - (Angola) - Detailed engineering, for structures, piping, supports for Module S2 & S5 Kaombo Project 2016 - SCANDIUZZI - Treviso (ITALY) - Detailed engineering, for structure - DUSLO Project 2015 - ENI R&M - Sannazzaro (ITALY) Detailed engineering for ATB bitumen load management system improvements 2015 - ENI R&M - Sannazzaro (ITALY) - Basic design for the construction of a new column of Pre-Flesh E90105B and related interconnection of the EST plant of the Sannazzaro refinery



- 2015 ENI R&M Sannazzaro (ITALY) Basic design and subsequent detailed engineering for the regulation of hydraulic and thermal flows at the bottom of the E90105 column of the EST plant
- 2015 ENI R&M Sannazzaro (ITALY) Basic design and subsequent detailed engineering for the construction of a handling and feeding system for the processing residue of the EST plant (pitch) to the burners of the Klinker production plants at the cement plants
- 2015 ENI R&M Sannazzaro (ITALY) Basic design and subsequent detailed engineering for the construction of a processing system for the processing residue of the EST plant (pitch) inside the plant
- 2015 ENIPOWER Brindisi (ITALY) Basic study and development of FEED for the supply of a reverse osmosis system for the production of DEMI water from sea water for the ENIPOWER plant in Brindisi
- 2015 ENI R&M Sannazzaro (ITALY) Basic Design for a pilot plant for drying the processing residue of the EST plant (pitch)
- 2015 IRAN PRE FEASIBILITY STUDY OF INVESTMENT Study of investments for new oil & gas service center area (logistic center, main quay, maintenance areas, prefabrication areas, fabrication vard)
- 2015 REVAMPING ENI VIGGIANO REFINERY PROJECT Piping stress analisys
- 2015 Saipem PT (Karimun Yard) Detailed engineering, for piping for Kaombo Project
- 2015 Saipem India Project (India) Detailed engineering, for structures, piping, supports for Module S2 & S5 Kaombo Project
- 2015 Saipem do Brazil Yard Guruja (Brazil) Detailed engineering, for structure for IRACEMA Project
- 2015 Saipem Port Harcourt (Nigeria) Methods, for module transportation SSAGS Project
- 2015 Saipem do Brazil Yard Guruja (Brazil) Detailed engineering, for structure for LULA Project
- 2015 ERSAI/Fluor London (England) Constructability TCO Project
- 2015 Rosetti Marino RAVENNA (ITALY) Detailed engineering, for structure, TCO LER Skema Project
- 2014÷2015 Salp/ENI Viggiano (ITALY) Mechanical Completion & Engineering, for piping Centro Oli Viggiano
- 2014 ENI R&M Sannazzaro (ITALY) Studio di fattibilità per il recupero energetico da salto geodetico dello scarico del WR
- 2014 SCANDIUZZI Treviso (ITALY) Basic engineering, for structure Belgium and Norway Refinery Project
- 2014 SAUDI ARAMCO RABIGH PROJECT Detailed engineering for steel structures 2
- 2014 PROJECT BOSCONGO LITCHENDJILI Detailed engineering for steel structures and foundations
- 2014 SAIPEM PROJECT- IRAO AR RATAWI NGL PROJECT Constructability Workshop Lifting and accessibility analysis
- 2014 ERSAI Kuryk (Kazakhstan) Detailed engineering, for piping & structure EPC Project
- 2014 ERSAI Kuryk (Kazakhstan) Constructability TCO Project
- 2014 SAIPEM Milan (ITALY) Bids Activities for AR RATAWI Project
- 2014 SAIPEM Milan (ITALY) Bids Activities for MTO Aramco Project
- 2014 Sime Rosignano (ITALY) Basic engineering, for structure WBC OGASCO Surge relief Skid Project
- 2014 Turmech Taranto (ITALY) Mechanical Completion & Detailed engineering, for piping & structure Skid Firenze Project
- 2014 SAIPEM Milan (ITALY) Bids Activities for Ivar Aasen TBE Project
- 2014 SAIPEM Singapore Detailed engineering, for piping WBC DEWATERING SPREAD PHASE 1 Project
- 2014 SAIPEM Pointe Noire (Congo) Detailed engineering, for structure for KIZOMBA Sat. Fase 2 Project
- 2014 SAIPEM Città del Messico (Mexico) Detailed engineering, for piping Topolobampo Project
- 2014 SAIPEM Port Harcourt (Nigeria) Detailed engineering, for piping for E&P NORTHERN PIPELINE (NG) Project
- 2014 SAIPEM Singapore Feasibility Studies & Erection Method for Zawtika Project
- 2014 SAIPEM Pointe Noire (Congo) Detailed engineering, for structure for Litchendjili Jetty Project
- 2014 SAIPEM Pointe Noire (Congo) Detailed engineering, for structure for Moho Nord Field Development Project
- 2014 SAIPEM Pointe Noire (Congo) Detailed engineering, for structure for Litchendiili Jacket Supports Project
- 2014 SAIPEM Karimun (Indonesia) Feasibility Studies & Erection Method, for BID SEPAT Project
- 2014 SAIPEM Karimun (Indonesia) Feasibility Studies & Erection Method, for BID Zawtika Project
- 2013 Rosetti Marino RAVENNA (ITALY) Detailed engineering, for Jacket structure, Marlin Jacket
- 2013 SAIPEM Milan (ITALY) Basic engineering, for BID Logistics Base SAIMEXICANA
- 2013 SAIPEM Milan (ITALY) Basic engineering, for ASP Caisson fabrication constructability study grade

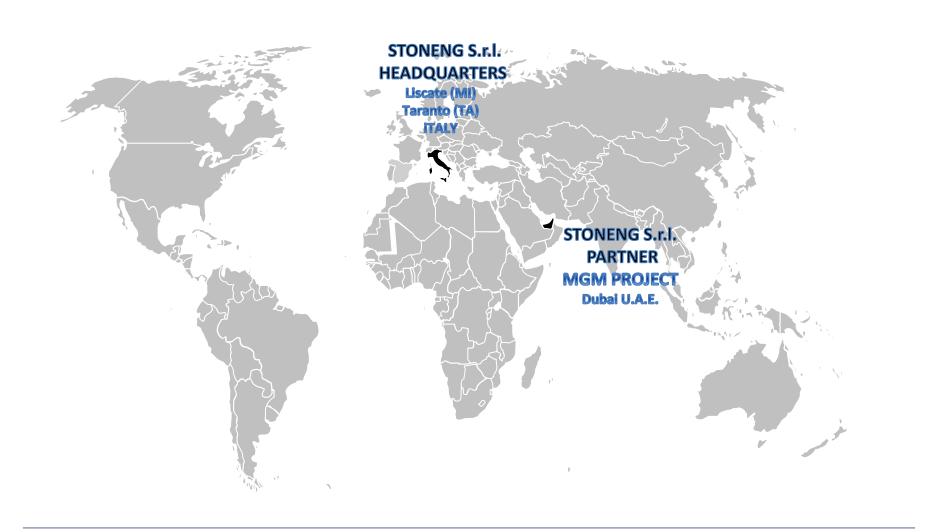


2013 - SAIPEM - Pointe Noire (Congo) - Detailed engineering, for structure for Litchendjili Predrilling Template Project

2013 - SAIPEM - Edmonton (Canada) - Detailed engineering, for piping for Hydrotreater Project 2013 - SAIPEM - ARBATAX (ITALY) - Detailed engineering, for structures for Elettra Jacket Project 2012 - ENI R&M - Taranto (ITALY) - Basic engineering for segregation and storage of Val D'agri crude drainage water 2012 - ENI R&M - Sannazzaro (ITALY) - Detailed engineering for the revamping of the Groundwater Treatment Plant (TAF) 2012 - ENI R&M - Taranto (ITALY) - Surveys with laser scanner and 3D modeling for checking the insertion of equipment on the crude loading line. Taranto refinery pier for logistic adaptation of Tempa Rossa crude oil 2012 - ENI R&M - Taranto (ITALY) - Basic design and detailed engineering for storage and relaunching drinking water 2012 - SAIPEM - Querétaro (Mexico) - GASOLINA LIMPIA PROJECT - Modeling 3D & Detailed engineering for structures 2012 - ENI SAIPEM - IRAQ CRUDE OIL EXPANSION - STAR PROJECT - Structural check for Fabrication sequence, lifting, rollup for jacket construction 2012 - ENI SAIPEM - STAATSOLIE SURINAME PROJECT - Modeling 3D & Detailed engineering for PAU and PAR structures 2012 - SAIPEM - Edmonton (Canada) - Detailed engineering, for piping for Hasky Project 2012 - SAIPEM - Querétaro (Mexico) - Mechanical Completion & Detailed engineering, for piping on site for Gasolina Limpia Project 2012 - SAIPEM - Querétaro (Mexico) - Mechanical Completion & Detailed engineering, for structures for Gasolina Limpia Project 2012 - SAIPEM - ARBATAX (ITALY) - Test Pack Gimboa Project 2012 - SAIPEM - Sharja (UAE) - Feasibility Studies & Erection Method, Planning, SOW, FEP for Projects (STP) Project at Off Qatar 2012 - SAIPEM - Sharja (UAE) - Bids Technical alignment for transportation Projects SARB3 & SARB4 2012 - SAIPEM - Sharja (UAE) - Feasibility Studies & Erection Method, Planning, SOW, FEP for Projects SARB & UMM LULU 2012 - SAIPEM - Karimun (Indonesia) - Detailed engineering, for structure, for Crane 1000 T 2012 - SAIPEM - Al Khobar (KSA) - Detailed engineering for Jacket Iraq Crude Oil Expansion Project 2012 - SAIPEM - ARBATAX (ITALY) - Detailed engineering for SURINAME project 2011 - Tecnomec - NORMANDY REFINERY (ITALY) - Detailed engineering for Structures & conducted 2011 - Group Service - ILVA (ITALY) - Design and Detailed engineering for Structure, "Workshop" 2011 - Group Service - ILVA (ITALY) - Design and Detailed engineering for Structure, "Rack" 2011 - SAIPEM - SOYO (ANGOLA) - Detailed engineering for structures and piping on CLOV Suction Pile Project 2011 - SAIPEM - SOYO (ANGOLA) - Detailed engineering for structures and piping on BLOCK31 GES EXTENSION Project 2011 - ENI R&M - Taranto (ITALY) - Feasibility study and basic design for revamping LPG bottling plant 2011 - ENI R&M - Taranto (ITALY) - Process study for vapor recovery from ship loading with use of fuel gas network 2010 - ENI R&M - Taranto (ITALY) - Basic design and detailed engineering for installation of 23 pre-mixers on the fire network 2010 - Chiome - Grottaglie (ITALY) - Design and Detailed engineering for Piping, "Grottaglie Airport, Deposito POL" 2010 - SAIPEM - SCNL YARD (NIGERIA) - Detailed engineering for structures and piping, PLEM's & PLET's for USAN Project 2010 - SAIPEM - SOYO (ANGOLA) - Detailed eng for structures and piping, PLEM's & PLET's for Kizomba Project (Offshore Angola) 2010 - SAIPEM - PALERMO (ITALY) - Detailed engineering for piping & Test Pack for Scarabeo Project 2009 - SAIPEM - KAZAKISTAN - Detailed engineering structures and piping for Pipe Racks of Kashagan Field Dev. Project 2009- ENI R&M - TARANTO (ITALY) Basic design for covering TAE A B C tanks with floating panels 2009 - SAIPEM - SOYO (ANGOLA) - Detailed engineering for structures and piping on Subsea Manifolds, PLEM's & PLET's for GERM Block 18 & PSVM Block 31 Project (Offshore Angola) 2009 - SAIPEM - SOYO (ANGOLA) - Detailed engineering for structures and piping for PLEM's & PLET's for GEP 17 Project 2008 - Rosetti Marino - RAVENNA (ITALY) - Detailed engineering for piping supports "Temporary Barge", "Skid Trap" & "Pipe Racks" for Kashagan Field Development Project 2007 - FIDIA - ABANO TERME (ITALY) - Design of lostat for freeze-drying vaccines 2007 - FIDIA - ABANO TERME (ITALY) - Secondary packaging line for syringes for osteoarticular use 2007 - FIDIA / FAB - ABANO TERME (ITALY) - Sterile chambers for the production of skin and cartilage from autologous biopsies 2006 - SCM - VICCHIO MUGELLO (ITALY) - LTL crystallization plant from aqueous solution 2006 - SCM - VICCHIO MUGELLO (ITALY) - Revamping of a multipurpose plant for the production of intermediates derived from Galat-tosio (GLT) 2005 - SCM - VICCHIO MUGELLO (ITALY) - LTL solution purification system with EDI / RO membrane separation systems 2003 - GLT - LATINA (ITALY) - Construction of a purification plant for the treatment of waste water process plants 2002 - GLT - LATINA (ITALY) - Lactose production plant from whey with serum protein recovery 2001 - SCM - VICCHIO MUGELLO (ITALY) - Lactulose solution filtration plant for pharmaceutical production API grade



6. STONENG IN THE WORLD





7. CONTACTS

OPERATION HEADQUARTERS

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