






## LIST OF EXPERIENCES

Project / Client	Services Provided	Location Year
<p><b>EPC1 – WEST QURNA II FIELD DESIGN PACKAGE 3-4-5</b></p> 	<p>EARLY DETAIL DESIGN ACTIVITIES TO ALLOW THE PROCUREMENT AND THE CONSTRUCTION WORKS RELEVANT TO:</p> <ul style="list-style-type: none"> <li>• DESIGN PACKAGE 3 (DP3) – “WATER TRANSFER PIPELINE”.</li> <li>• DESIGN PACKAGE 4 (DP4) – “NEW WP#11/1A AND WP#5”.</li> <li>• DESIGN PACKAGE 5 (DP5) – “GATHERING LINE(S)”.</li> </ul>	<p>IRAQ <b>2015</b></p>
<p><b>OURHOUD-INCREASED WATER HANDLING (WH) FACILITIES AT OURHOUD OIL &amp; GAS PRODUCTION FACILITIES</b></p> 	<p>DETAIL ENGINEERING SERVICES FOR:</p> <ul style="list-style-type: none"> <li>• PIPELINES STRESS ANALYSIS STUDY.</li> <li>• SUPPORT DESIGN.</li> <li>• PIPELINE DESIGN FOR CROSSINGS.</li> </ul>	<p>ALGERY <b>2015</b></p>
<p><b>KARACHAGANAK SGLT PROJECT</b></p> 	<p>ENGINEERING SERVICES FOR TECHNICAL REVIEW OF FEED DOCUMENTS.</p>	<p>KAZAKISTAN <b>2015</b></p>
<p><b>METANODOTTO ALL.TO TOTAL TEMP ROSSA</b></p> 	<p>DETAIL ENGINEERING SERVICES FOR PIPELINES STRESS ANALYSIS STUDY OF TIE-IN 60-SNR (TP-01-GL).</p>	<p>ITALY <b>2015</b></p>
<p><b>BAB EARTHWORKS</b></p> 	<p>TECHNICAL CONSULTANCY FOR CIVIL WORKS.</p>	<p>INDIA <b>2015</b></p>





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<p><b>HASHBAH II PIPELINES</b></p> 	<p>FEED PACKAGE PREPARATION FOR N. 2 36" TRUNKLINES, 8" MEG LINE AND 6" HDO LINE.</p>	<p>SAUDI ARABIA <b>2014</b></p>
<p><b>SYNDIAL PIEVE VERGONTE – HYDRAULIC BARRIER ANAS AREA</b></p> 	<p>DETAIL DESIGN PHASE:</p> <ul style="list-style-type: none"> <li>• FLOW ASSURANCE AND PROCESS STUDIES (SIZING AND VERIFICATION OF NEW PIPELINES IN ANAS AREA).</li> <li>• CIVIL DESIGN WITH PREPARATION OF DOCUMENTS NECESSARY FOR EPC CONTRACT AWARDING.</li> </ul>	<p>PIEMONTE <b>2014</b></p>
<p><b>FLOWLINE TRECATE</b></p> 	<p>CONCEPTUAL STUDY FOR THE DISPOSAL OF TRECATE 18 - VILLA 4 – VILLA 1 FLOW LINES, CONSIDERING TWO MAIN SCENARIOS:</p> <ul style="list-style-type: none"> <li>• DRAINAGE AND ABANDONMENT OF THE FIRST SECTION;</li> <li>• DRAINAGE AND INTEGRITY CHECK OF THE SECOND SECTION.</li> </ul>	<p>LOMBARDIA PIEMONTE <b>2014</b></p>
<p><b>NENE' PROJECT ONSHORE PIPELINE SECTION</b></p> 	<p>BASIC AND DETAIL DESIGN RELEVANT TO ONSHORE PIPELINES SYSTEM:</p> <ul style="list-style-type: none"> <li>• PIPELINES WALL THICKNESS CALCULATIONS AND MECHANICAL VERIFICATIONS.</li> <li>• PIPELINES MATERIAL SPECIFICATION AND MTO FOR MATERIAL PROCUREMENT.</li> <li>• PIPELINES STRESS ANALYSIS STUDIES.</li> </ul>	<p>CONGO <b>2014</b></p>
<p><b>KASHAGAN FIELD DEVELOPMENT PROJECT</b></p> 	<p>DETAIL DESIGN PHASE FOR N. 2 SOUR PIPELINES:</p> <ul style="list-style-type: none"> <li>• LINE PIPE INSTALLATION STUDIES AND CROSSINGS VERIFICATIONS.</li> <li>• ALIGNMENT SHEETS AND CROSSINGS DETAILED DRAWINGS.</li> </ul>	<p>KAZAKISTAN <b>2014</b></p>
<p><b>TOPOLOBAMPO PROJECT</b></p> 	<p>TECHNICAL CONSULTANCY FOR CIVIL WORKS. COMMISSIONING STUDY FOR HYDROTEST.</p>	<p>MEXICO <b>2014</b></p>







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<p>TIMIMOUUM – STEP 1</p> 	<p>DETAIL ENGINEERING SERVICES FOR:</p> <ul style="list-style-type: none"> <li>• PIPELINES STRESS ANALYSIS STUDY.</li> <li>• SUPPORT DESIGN.</li> <li>• PIPELINE DESIGN FOR CROSSINGS OF NO1, NO2, SG1 AND CP AREAS.</li> </ul>	<p>ALGERY <b>2014</b></p>
<p>WEST QURNA II FIELD DEVELOPMENT - BOOSTER STATION FOR LPG PIPELINE</p> 	<p>COMPLETE MULTIDISCIPLINARY FEED ENGINEERING ACTIVITIES FOR LPG BOOSTER STATION.</p>	<p>IRAQ <b>2014</b></p>
<p>ZUBAIR OIL FIELD DEVELOPMENT – TENDER EPC MULTIPHASE BID EVALUATION</p> 	<p>TECHNICAL CONSULTANCY AS PIPELINE SPECIALIST FOR EVALUATION OF N.5 BIDDERS TECHNICAL OFFER.</p>	<p>IRAQ <b>2014</b></p>
<p>MELEIHA GAS PLANT FLOWLINES AND GATHERING SYSTEMS</p> 	<p>BASIC AND DETAIL DESIGN RELEVANT TO N.7 FLOWLINES, N.1 TRUNKLINE, N.5 INTERCONNECTING LINES:</p> <ul style="list-style-type: none"> <li>• PIPELINES WALL THICKNESS CALCULATIONS AND MECHANICAL VERIFICATIONS.</li> <li>• PIPELINES MATERIAL SPECIFICATION AND MTO FOR MATERIAL PROCUREMENT.</li> <li>• PIPELINES STRESS ANALYSIS STUDIES.</li> </ul>	<p>EGYPT <b>2014</b></p>
<p>WEST QURNA II FIELD DEVELOPMENT -</p> 	<p>SUPPORT TO TECHNICAL QUERIES BY EPC BIDDERS FOR GAS/LPG PIPELINES.</p>	<p>IRAQ <b>2014</b></p>
<p>WEST QURNA II FIELD DEVELOPMENT - INSERTION OF N.2 LINE VALVE BY HOT TAPPING AND LVS DESIGN</p> 	<p>FEED ACTIVITIES FOR INSTALLATION OF N. 2 LINE VALVES ON EXISTING 42” OIL PIPELINE BY HOT TAPPING METHOD.</p>	<p>IRAQ <b>2014</b></p>

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<p><b>ETUDE D'AVANT PROJET OLÉODUC POINTE NOIRE – YÉ – OYO - OUESSO</b></p> <p>Société Nationales Pétroles du Congo</p>  	<p>PROJECT MANAGEMENT SERVICES:</p> <ul style="list-style-type: none"> <li>ENGINEERING OVERVIEW.</li> <li>TECHINAL ANALYSIS AND APPROVAL OF FEASIBILITY STUDY DOCUMENTS.</li> <li>CONSULTANCY FOR CONTRACT MANAGEMENT.</li> <li>ON-SITE ACTIVITIES SUPERVISION.</li> </ul>	<p>CONGO <b>2014</b></p>
<p><b>CASAGRANDE PROJECT</b></p> 	<p>SUPPORT TO CONSTRUCTION ACTIVITIES: PREPARATION OF MONITORING DESIGN REPORT, ANALYSIS AND EVALUATION OF RISK CONNECTED TO STRUCTURES PRESENCE NEAR CONSTRUCTION AREA.</p>	<p>ITALY <b>2014</b></p>
<p><b>WAFI MOG 9 &amp; WAHA 5J</b></p> 	<p>DETAIL ENGINEERING SERVICES FOR:</p> <ul style="list-style-type: none"> <li>PIPELINES STRESS ANALYSIS STUDY.</li> <li>SUPPORT DESIGN.</li> <li>PIPELINE DESIGN FOR CROSSINGS OF NO1, NO2, SG1 AND CP AREAS.</li> </ul>	<p>LIBYA <b>2014</b></p>
<p><b>SOUTH STREAM</b></p> 	<p>TECHNICAL CONSULTANCY FOR CIVIL WORKS.</p>	<p>RUSSIA- BULGARIA <b>2014</b></p>
<p><b>CHILE CODELCO</b></p> 	<p>TECHNICAL CONSULTANCY FOR EPC BIDDING PHASE. FLOW ASSURANCE STUDIES AND CIVIL EARTH WORK VOLUME CALCULATIONS</p>	<p>CHILE <b>2014</b></p>
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT MULTIPHASE PIPELINE UPDATING - PPG INTERCONNECTING DESIGN</b></p> 	<p>OBJECT OF THE STUDY WERE THE UPDATING OF MULTIPHASE LINES ROUTE AND DEFINITION OF NEW PPG INTERCONNECTING ROUTES. THE FOLLOWING SERVICES (FEED ACTIVITIES) HAVE BEEN DEVELOPED IN OUR HOME OFFICE:</p> <ul style="list-style-type: none"> <li>PIPELINES ROUTE DEFINITION BASED ON GIS DATA BASE INFORMATION.</li> <li>PRODUCTION OF ALIGNMENT SHEETS (AUTOCAD).</li> <li>MTO AND MR OF MAIN PIPELINE ITEMS.</li> <li>CROSSING LISTS.</li> </ul>	<p>IRAQ <b>2014</b></p>

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<p><b>CEC-MAGMINERALS PIPELINE</b></p> <p><b>BEENDER LTD</b></p>  <p><b>enicongo</b></p>	<p>DETAIL ENGINEERING FOR CONSTRUCTION RELEVANT TO THE CONNECTION PIPELINE AND RELATED FACILITIES TO BE INSTALLED AT CEC GRS.</p>	<p><b>CONGO 2014</b></p>
<p><b>CUBE PROJECT CONTAINEMENT of UNDERWATER BLOWOUT EVENTS</b></p>  <p><b>Saipem</b></p>	<p>ADVANCED FEED DESIGN FOR DESIGN OF TOPSIDE FACILITIES.</p>	<p><b>MEDITER- RANEAN SEA 2014</b></p>
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT</b></p>  <p><b>Tecnomare</b></p>	<p>PREPARATION OF PRESERVATION PROCEDURES FOR MULTIPHASE TRUNKLINE SYSTEM.</p>	<p><b>IRAQ 2014</b></p>
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT</b></p>  <p><b>Tecnomare</b></p>	<p>SURGE ANALYSIS OF 52" CRUDE OIL PIPELINE NETWORK</p>	<p><b>IRAQ 2014</b></p>
<p><b>CROTONE - HYDRAULIC BARRIER</b></p>  <p><b>syndial</b></p>	<p>DETAIL ENGINEERING DESIGN: FLOW ASSURANCE AND PROCESS STUDIES RELEVANT TO AN HYDRAULIC BARRIER TO BE PROVIDED FOR GROUNDWATER RESTORATION IN CORRESPONDENCE OF SYNDIAL AREAS (CROTONE).</p>	<p><b>ITALY 2014</b></p>
<p><b>WEST QURNA II FIELD DEVELOPMENT</b></p> 	<p>CONCEPTUAL STUDY, POST FEED UPDATING AND ITB SOW - GAS &amp; LPG PIPELINES / W.O. 8.</p>	<p><b>IRAQ 2014</b></p>

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Project / Client	Services Provided	Location Year
<p><b>300,000 MTA EB/SM PLANT EARLY WORKS PACKAGE</b></p> 	<p>TECHNICAL CONSULTANCY FOR PIPELINE DESIGN ACTIVITIES.</p>	<p>EGYPT <b>2014</b></p>
<p><b>WEST QURNA II FIELD DEVELOPMENT COMMON MISHRIF / YAMAMA LPG AND GAS PIPELINE</b></p> 	<p>PREPARATION OF CONCEPTUAL STUDY FOR LPG AND GAS EXPORT PIPELINES SYSTEM.</p>	<p>IRAQ <b>2014</b></p>
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT IPF WI PHASE I</b></p> 	<p>OBJECT OF THE STUDY WERE THE DESIGN OF WATER LINES NETWORK. THE FOLLOWING SERVICES (FEED ACTIVITIES) HAVE BEEN DEVELOPED IN OUR HOME OFFICE:</p> <ul style="list-style-type: none"> <li>• PIPELINES ROUTE DEFINITION BASED ON GIS DATA BASE INFORMATION.</li> <li>• PRODUCTION OF ALIGNMENT SHEETS (AUTOCAD).</li> <li>• MTO AND MR OF MAIN PIPELINE ITEMS.</li> <li>• PRELIMINARY CONSTRUCTABILITY ASSESSMENT FOR PIPELINES.</li> </ul>	<p>IRAQ <b>2014</b></p>
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT TREATED AND UNTREATED WATER LINES</b></p> 	<p>OBJECT OF THE STUDY WERE THE DESIGN OF WATER LINES NETWORK. THE FOLLOWING SERVICES (FEED ACTIVITIES) HAVE BEEN DEVELOPED IN OUR HOME OFFICE:</p> <ul style="list-style-type: none"> <li>• PIPELINES ROUTE DEFINITION BASED ON GIS DATA BASE INFORMATION.</li> <li>• PRODUCTION OF ALIGNMENT SHEETS (AUTOCAD).</li> <li>• MTO AND MR OF MAIN PIPELINE ITEMS.</li> <li>• PRELIMINARY CONSTRUCTABILITY ASSESSMENT FOR PIPELINES.</li> </ul>	<p>IRAQ <b>2014</b></p>



Project / Client	Services Provided	Location Year
<p>WEST QURNA II FIELD DEVELOPMENT</p> 	<p>TECHNICAL CONSULTANCY AS PIPELINE SPECIALIST FOR SEVERAL PROJECT AND ACTIVITIES FORESEEN BY THE COMPANY IN THE FIELD AREA:</p> <ul style="list-style-type: none"> <li>• ON SITE GEOTECHNICAL AND TOPOGRAPHICAL SURVEY SUPERVISION.</li> <li>• ON SITE DATA MANAGEMENT AND INTERPRETATION.</li> <li>• TECHNICAL CONSULTANCY DURING EPC CONTRACTOR CONTRACTORS BID EVALUATION.</li> <li>• EPC CONTRACTOR DETAIL DESIGN INDEPENDENT REVIEW (MAIN PIPELINE CROSSINGS, HDD ETC.).</li> <li>• DRILLING STATION CALCULATION ASSESSEMENT.</li> <li>• ON SITE DATA MANAGEMENT AND INTERPRETATION.</li> </ul>	<p>IRAQ <b>2013</b></p>
<p>KUNDJI PIPELINE</p>  	<p>CONCEPTUAL STUDY AND BASIC DESIGN FOR THE NEW OIL TRUNKLINE FORESEEN BETWEEN CLUSTER PLTF200 AT KUNDJI AND DJENO PLANT. WITHIN PROVIDED SERVICES THE FOLLOWING MAIN ACTIVITIES HAVE BEEN CARRIED OUT:</p> <ul style="list-style-type: none"> <li>• PIPELINE BASIC DESIGN DATA AND PIPELINE SYSTEM CONFIGURATION ASSESSMENT.</li> <li>• PIPELINE HYDRAULIC STUDY AND SURGE ANALYSIS.</li> <li>• PIPELINE ON SITE SURVEY, ROUTE DEFINITION AND CLIENT SUPPORT DURING MEETING WITH COMPANY.</li> <li>• PRODUCTION PRELIMINARY CALCULATION REPORTS, DRAWINGS AND PHILOSOPHY FOR PIPELINE.</li> <li>• PIPELINE COST ESTIMATION.</li> </ul>	<p>CONGO <b>2013</b></p>
<p>RELIANCE PORTS AND TERMINALS LIMITED JAMNAGAR HEAT CRUDE UNLOADING FROM SPMS</p> 	<p>ENGINEERING SERVICES FOR MECHANICAL VERIFICATIONS OF PIPING AND SEALINE COMPONENTS.</p>	<p>INDIA <b>2013</b></p>
<p>B8 OIL FIELD DEVELOPMENT</p> 	<p>REVISION AND UPDATING OF SPECIALISTIC DOCUMENTS FOR FEED RELEVANT TO DIFFERENT SEALINES ENVISAGED FOR THE PROJECT. CALCULATION REPORTS HAVE BEEN CARRIED OUT BASED ON NEW PROCESS DESIGN DATA: SEALINE SURGE ANALYSIS, SEALINES SIZING AND ON-BOTTOM STABILITY, PIPELINE LAYABILITY ANALYSIS REPORT, EXPANSION ANALYSIS, CATHODIC PROTECTION DESIGN REPORT ETC.</p>	<p>POLAND <b>2013</b></p>

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Project / Client	Services Provided	Location Year
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT OIL GATHERING AND WATER INJECTION SYSTEM ERP PHASE</b></p> 	<p>OBJECT OF THE STUDY WERE THE DESIGN OF OIL GATHERING NETWORK (N.83 LINES, 29 K M) AND WATER RE-INJECTION NETWORK (N.96 LINES, 259 KM).THE FOLLOWING SERVICES (FEED ACTIVITIES) HAVE BEEN DEVELOPED IN OUR HOME OFFICE:</p> <ul style="list-style-type: none"> <li>• PIPELINE BASIC DESIGN DATA ASSESSMENT.</li> <li>• PIPELINE ROUTE DEFINITION.</li> <li>• PRODUCTION OF ALIGNMENT SHEETS (AUTOCAD).</li> <li>• PIPELINE STANDARD DRAWINGS/PIPELINE MECHANICAL VERIFICATION.</li> <li>• PIPELINE STRESS ANALYSIS.</li> <li>• MTO AND MR OF MAIN PIPELINE ITEMS.</li> <li>• PRELIMINARY CONSTRUCTABILITY ASSESSMENT FOR PIPELINES.</li> </ul>	<p>IRAQ <b>2013</b></p>
<p><b>SURFACE FACILITIES FOR NINE INFILLING WELLS AT WAFI FIELD AREA D</b></p> 	<p>DETAIL ENGINEERING SERVICES FOR:</p> <ul style="list-style-type: none"> <li>• PIPELINES STRESS ANALYSIS STUDY.</li> <li>• SUPPORT DESIGN.</li> <li>• PIPELINE DESIGN FOR CROSSINGS.</li> </ul>	<p>LIBYA <b>2013</b></p>
<p><b>WEST QURNA II EARLY PRODUCTION FACILITIES TOPOGRAPHICAL &amp; GEOTECHNICAL SURVEYS</b></p>  	<p>SUPERVISION WITH HOME OFFICE ACTIVITIES (SPECIFICATIONS, PROCEDURES, PLANNING, REPORTING ETC.) AND ON SITE ACTIVITIES FOLLOW-UP OF SURVEYS AND INVESTIGATIONS SERVICES. TOPOGRAPHICAL SURVEY OF:</p> <ul style="list-style-type: none"> <li>• THE GAS PLANT AREA (GTP).</li> <li>• COMPRESSOR AREA OF OF CENTRALIZED PROCESS FACILITIES (CPF).</li> <li>• GAS AND LPG EXPORT PIPELINE ROUTES (N. 3 OPTIONS).</li> </ul> <p>GEOTECHNICAL INVESTIGATIONS AND RELEVANT LABORATORY TESTS OF:</p> <ul style="list-style-type: none"> <li>• GAS PLANT AREA (GTP).</li> <li>• COMPRESSOR AREA OF CENTRALIZED PROCESS FACILITIES (CPF).</li> </ul>	<p>IRAQ <b>2013</b></p>
<p><b>WEST QURNA I MAIN OUTFALL DRAIN (MOD) 300 WATER PROJECT</b></p> 	<ul style="list-style-type: none"> <li>• DETAIL DESIGN SERVICES FOR PROJECT.</li> <li>• DOCUMENT MANAGEMENT AND CIVIL WORK.</li> </ul>	<p>IRAQ <b>2013</b></p>



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<p><b>WEST HUB –BLOCK XVI-06 DEEP WATER PROJECT</b></p> 	<p>CONSTRUCTION OF DEEPWATER GATHERING SYSTEM – BLOCK XVI-06 – TECHNICAL ASSISTANCE TO ENI E&amp;P.</p> <p>FLOW ASSURANCE ACTIVITIES FOR:</p> <ul style="list-style-type: none"> <li>• WATER INJECTION SYSTEM;</li> <li>• MeOH AND OTHER CHEMICALS INJECTION SYSTEM;</li> <li>• GAS LIFT AND GAS INJECTION SYSTEM.</li> <li>•</li> </ul>	<p>ANGOLA <b>2013</b></p>
<p><b>MAURITANIA – WATER STUDY</b></p> 	<p>CONCEPTUAL STUDY AND FEASIBILITY STUDY</p> <p>FLOW ASSURANCE ACTIVITIES IN STEADY STATE AND TRANSIENT CONDITION FOR WATER PIPELINE – ND 48” – 750 KM.</p>	<p>MAURITANIA <b>2013</b></p>

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Project / Client	Services Provided	Location Year
<p><b>WEST QURNA II FIELD DEVELOPMENT RAW GAS PIPELINE &amp; COMPRESSOR STATION</b></p> 	<p>CONCEPTUAL STUDY OF RAW GAS PIPELINE FROM CPF TO DIFFERENT DELIVERY TIE-IN POINTS (L=94KM OR 33KM). RAW GAS PIPELINE WILL BE AN ALTERNATIVE SOLUTION TO TRANSPORT OF TREATED GAS AND LPG. ROUTE SELECTION AND ROW DEFINITION. FLOW ASSURANCE STUDY FOR DIFFERENT SCENARIO, PRELIMINARY PFD OF PIPELINE SYSTEM, CORROSION STUDY, MATERIAL SELECTION, CP PHILOSOPHY, COMPRESSOR UNIT LAYOUT STUDY. PIPELINE CONSTRUCTION TIME SCHEDULING AND COST ESTIMATION.</p>	<p>IRAQ <b>2012</b></p>
<p><b>WEST QURNA II FIELD DEVELOPMENT</b></p> 	<p>FEED OPTIMIZATION:</p> <ul style="list-style-type: none"> <li>• REVISION OF MAIN FEED DOCUMENTS BASED ON NEW INPUT DATA. FLOW ASSURANCE STUDY.</li> <li>• VALUE ENGINEERING.</li> </ul>	<p>IRAQ <b>2012</b></p>
<p><b>UTSIRA HIGH OIL &amp; GAS INFRASTRUCTURE</b></p> 	<p>LANDFALL &amp; ONSHORE PIPELINE CONCEPT STUDY (OFFSHORE AND ONSHORE PIPELINE SECTION).</p>	<p>NORWAY <b>2012</b></p>
<p><b>T.E.N. EPCI BID</b></p> 	<p>FLOW ASSURANCE ACTIVITIES AND PROCESS DESIGN CONSULTANCY DURING BIDDING PHASE.</p>	<p>GHANA <b>2012</b></p>
<p><b>JUNIN5 - ADVANCED EARLY PRODUCTION</b></p> 	<p>FEASIBILITY STUDY AND CAPEX OF OIL LOADING AND STORAGE SYSTEM.</p>	<p>VENEZUELA <b>2012</b></p>
<p><b>STAATSOLIE REFINERY EXPANSION PROJECT EXPORT PIPELINES</b></p> 	<p>PROCESS DESIGN ACTIVITIES AND PIPELINE BASIC DESIGN.</p>	<p>SURINAME <b>2012</b></p>
<p><b>M'BOUNDI GAS INJECTION NETWORK</b></p> 	<p>DETAIL DESIGN FOR CONSTRUCTION OF N. 2 GAS INJECTION LINES (TRL1- TRL2) INCLUDING MECHANICAL, CIVIL, STRESS AND AS BUILT ACTIVITIES.</p>	<p>CONGO <b>2012</b></p>
<p><b>M'BOUNDI FIELD DEVELOPMENT ENHANCEMENT PROGRAM - CEC - MAGMINERALS PIPELINE CONNECTION</b></p> 	<p>COMPLETE MULTIDISCIPLINARY FEED ENGINEERING ACTIVITIES FOR PIPELINE SYSTEM.</p>	<p>CONGO <b>2012</b></p>

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<p><b>MARTIN LINGE EPCI BID GAS SEALINE</b></p> 	<p>FLOW ASSURANCE ACTIVITIES DURING BIDDING PHASE.</p>	<p>NORWAY <b>2012</b></p>
<p><b>SCREENING OF TRANSPORT TECHNOLOGIES AND FLOW ASSURANCE ANALYSIS of WAXY OIL</b></p> 	<p>SCENARIO/GAP ANALYSIS, FLOW ASSURANCE, CAPEX ANALYSIS.</p>	<p>CONGO <b>2012</b></p>









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<p><b>KCO KASHAGAN EPC 2/3/4</b></p> 	<p>FEED ENDORSEMENT AND TECHNICAL CONSULTANCY DURING EPC BID PREPARATION FOR TOPSIDES FACILITIES TO BE INSTALLED ON THE EPC 2, 3 AND 4 DRILLING CLUSTERS IN KASHAGAN.</p>	<p>KAZAKISTAN <b>2011</b></p>
<p><b>INSTALLATION OF 12" DIA PIPELINE FROM TAKREER PETROCHEMICAL REFINING PLANT TO APC/ITM UMM AL NAR POWER &amp; DESALINATION PLANT</b></p>  <p>SICON OIL&amp;GAS</p>	<p>PIPELINE DESIGN (STRESS ANALYSIS VERIFICATION).</p>	<p>UAE <b>2011</b></p>
<p><b>KISH ISLAND SEALINES</b></p> 	<p>FEASIBILITY DESIGN &amp; COST ESTIMATION FOR OFFSHORE PROJECT.</p>	<p>IRAN <b>2011</b></p>
<p><b>STURE-MONGSTAD PL</b></p> 	<p>PIPELINE TECHNICAL CONSULTANCY FOR OFFSHORE AND ONSHORE PIPELINE SECTIONS.</p>	<p>NORWAY <b>2011</b></p>
<p><b>BONACCIA NW-BONACCIA SEALINES</b></p> 	<p>SEALINE MECHANICAL PREDESIGN - CALCULATION REPORTS FOR ON-BOTTOM STABILITY, PIPELINE LAYABILITY ANALYSIS REPORT, EXPANSION ANALYSIS ETC (BASIC DESIGN).</p>	<p>ITALY <b>2011</b></p>
<p><b>BIR REBAA NORD ALGERIE CENTRE PRODUCTION D'HUILE WATER INJECTION ROM / ROM E / ROM N</b></p> 	<p>FEED PACKAGE PREPARATION.</p>	<p>ALGERIA <b>2011</b></p>
<p><b>BROWSE LNG DEVELOPMENT</b></p> 	<p>ON SHORE PIPELINES - FEED PACKAGE PREPARATION.</p>	<p>AUSTRALIA <b>2011</b></p>
<p><b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT</b></p> 	<p>FEED SERVICES FOR: "EARLY CIVIL WORK" - "REHABILITATION OF EXISTING TEST TRAINS" - "TRANSFER LINE NETWORK".</p>	<p>IRAQ <b>2011</b></p>


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<b>KHURBET EAST FIELD CPF</b> 	FEED PACKAGE PREPARATION. COMPLETE MULTIDISCIPLINARY DETAIL ENGINEERING ACTIVITIES.	SYRIA <b>2010</b>
<b>WEST QURNA II FIELD DEVELOPMENT</b> 	COMPLETE MULTIDISCIPLINARY FEED ENGINEERING ACTIVITIES FOR EXPORT PIPELINE SYSTEM: <ul style="list-style-type: none"> <li>• OIL EXPORT LINE FROM CPF MISHRIF FACILITIES UP TO THE EXISTING TANK FARM.</li> <li>• WATER PIPELINE FROM WATER INTAKE TO CPF MISHRIF.</li> <li>• N.1 LPG + N.1 GAS LINES FROM CPF TO THE TANK FARM AREA.</li> </ul>	IRAQ <b>2010</b>
<b>STURE-MONGSTAD PL</b> 	FEASIBILITY STUDY.	NORWAY <b>2010</b>
<b>ADCO - EPC FOR BAB NORTH WATER</b>  SICON OIL&GAS	TECHNICAL CONSULNTANCIES - OFFER PHASE.	UAE <b>2010</b>
<b>ETHANE LINE FROM EQUATE</b> 	TECHNICAL CONSULNTANCIES - OFFER PHASE.	KUWAIT <b>2010</b>
<b>START-UP OF THE OILY WATER SYSTEM AND REVAMPING OF THE WATER FILTERING SYSTEM FOR M'BOUNDI FIELD</b> 	DETAIL DESIGN FOR REVAMPING OF EXISTING WATER TREATMENT SYSTEM INSIDE M'BOUNDI PLANT. PIPING AND SUPPORT SYSTEM STUDY. MATERIAL SPECIFICATION AND DATA SHEETS. STRESS ANALYSIS VERIFICATION.	CONGO <b>2010</b>
<b>ZUBAIR OIL FIELD DEVELOPMENT PROJECT</b> 	PROCESS FEASIBILITY VERIFICATION FOR ZUBAIR "P90".	IRAQ <b>2010</b>
<b>GOLIAT GAS EXPORT PROJECT ADDENDUM OF SOW FOR CNG SERVICE</b> 	CONSULTING FOR EVALUATION PHASE.	NORWAY <b>2010</b>






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<b>SHAH GAS DEVELOPMENT (SGD)</b> 	PROJECT PIPELINE DETAIL DESIGN.	UAE <b>2010</b>
<b>GOLIAT GAS EXPORT PROJECT</b> 	EVALUATION PHASE - TECHNICAL VALIDATION AND ECONOMIC BENCHMARK FOR OFFSHORE PIPELINES.	NORWAY <b>2010</b>
<b>EXPANSION OF CAMILO CIENFUEGOS REFINERY CUVENPETROL S.A. CRUDE OIL PIPELINE</b> 	COMPLETE MULTIDISCIPLINARY FEED ENGINEERING ACTIVITIES FOR 29 KM ONSHORE PIPELINE.	CUBA <b>2010</b>
<b>GALSI (GASDOTTO ALGERIA-SARDEGNA-ITALIA)</b> 	PORTO BOTTE - RECEIVING TRAP DESIGN.	ITALY <b>2010</b>
<b>INTER REFINERIES PIPELINES PHASE2</b> 	TECHNICAL CONSULTANCIES AND PIPELINE MATERIAL ESTIMATION DURING BIDDING PHASE.	UAE <b>2010</b>
<b>NORVEGIA ALKE NORTH AND ALKE SOUTH</b> 	TECHNICAL VALIDATION AND ECONOMIC BENCHMARK FOR OFFSHORE PIPELINES AND TEMPLATES.	NORWAY <b>2010</b>
<b>BLOCK 3 &amp; 4 DEVELOPMENT PROJECT (PHASE II)</b>  <b>SICON OIL&amp;GAS</b>	16" AND 10" PIPELINES DETAIL DESIGN.	OMAN <b>2010</b>
<b>VARIANTE PONTE DECIMO</b> <b>SIGEMI</b>	DETAIL DESIGN.	ITALY <b>2010</b>
<b>POL LAVORI IN PERMUTA PER COUSO</b> 	INSTRUMENT & CONTROL AND PIPING DESIGN CONSULTING FOR BIDDING PHASE.	ITALY <b>2010</b>

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<p><b>CONDOTTA SOTTOMARINA BACOLI-ISCHIA</b></p> 	<p>MECHANICAL AND STRESS ANALYSIS VERIFICATION.</p>	<p>ITALY <b>2010</b></p>
<p><b>DETAIL DESIGN FOR THE REPLACEMENT OF HZ19-2 AND HZ19-3 PIPELINES</b></p> <p><b>SEATECH FANO</b></p>	<p>PIPELINES STRESS AND LOOP / RISER DESIGN.</p>	<p>CHINA <b>2010</b></p>

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<p><b>100 LOW PRESSURE FACILITIES &amp; ARRIVAL MANIFOLD MODIFICATIONS PROJECT BU-ATTIFEL</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	<p>DETAILED STRESS ANALYSIS DESIGN.</p>	<p>LYBIA <b>2009</b></p>
<p><b>BLACKTIP PROJECT ONSHORE GAS PLANT</b></p>  <p><b>ENI E&amp;P</b></p>	<p>PIPELINE FLOW ASSURANCE.</p>	<p>AUSTRALIA <b>2009</b></p>
<p><b>NAFOORA OIL FIELD AMAL RECEIVING AREA DOUBLE STOPPLE OPERATION ON 32" PIPELINE</b></p> 	<p>DETAIL ENGINEERING FOR CONSTRUCTION PHASE.</p>	<p>LYBIA <b>2009</b></p>
<p><b>THAMMAMA-C ASAB LEAN GAS PIPELINE PROJECT</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	<p>TECHNICAL CONSULTANCY FOR E.P.C. BIDDING PHASE.</p>	<p>UAE <b>2009</b></p>
<p><b>MULTIPHASE DEVELOPMENT TUOMO-OGBAINBIRI</b></p>  <p><b>SAIPEM ENERGY SERVICES</b></p>	<p>FEASIBILITY PHASE.</p>	<p>NIGERIA <b>2009</b></p>
<p><b>KOUILOU POTASH PROJECT 16" GAS PIPELINE INSTALLATION</b></p> 	<p>DETAIL ENGINEERING FOR CONSTRUCTION PHASE.</p>	<p>CONGO <b>2009</b></p>










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<b>AMBATOVOY NICKEL PROJECT SLURRY, WATER AND TAILINGS PIPELINE CONSTRUCTION</b>  <b>SICON OIL&amp;GAS</b>	FIELD DETAIL ENGINEERING ACTIVITY AND CONSTRUCTION SUPERVISION FOR EPC CONTRACTOR. E.P.C. DOCUMENT REVIEW AND PIPELINE ROUTE OPTIMIZATION.	MADAGASCAR <b>2008</b>
<b>CAMPO DI GROTTOLE-FERRANDINA (MT)</b>  <b>BASIS ENGINEERING</b>	BASIC DESIGN OF PIPELINE NETWORK.	ITALY <b>2008</b>
<b>PKRT PROJECT</b> <b>IPC FANO</b>	STRESS VERIFICATION OF MILD HYDROCRACKER UNIT.	POLAND <b>2008</b>
<b>6" PIPELINE REPLACEMENT KOUAKOUALA-MENGO</b>  <b>GNCAC</b>	DETAIL ENGINEERING FOR CONSTRUCTION PHASE.	CONGO <b>2008</b>
<b>24" SALT WATER DJENO-M'BOUNDI</b>  <b>BEENDER LTD</b>	DETAIL DESIGN FOR CONSTRUCTION.	CONGO <b>2008</b>
<b>M'BOUNDI OIL PLANT (TRUNK LINES) WATER INJECTION NETWORK</b>  <b>GNCAC</b>	DETAIL DESIGN FOR CONSTRUCTION.	CONGO <b>2008</b>
<b>DEWA DFO PIPELINE FROM JAFZ TO AWEER POWER STATION</b>  <b>SICON OIL&amp;GAS</b>	TECHNICAL CONSULTANCY FOR E.P.C.BIDDING PHASE.	ABU-DHABI <b>2008</b>
<b>AKRI-OGUTA DEVELOPMENT PRJ</b>  <b>ENI E&amp;P</b>	GIS (GEOGRAPHICAL INFORMATION SYSTEM).	NIGERIA <b>2008</b>









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<p><b>24" PIPELINE SAMABRI-UBETA</b></p>  <p><b>ENI E&amp;P</b></p>	<p>FEED REVISION.</p>	<p>NIGERIA <b>2008</b></p>
<p><b>34" BENGHAZI-TOBRUK GAS PIPELINE</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	<p>TECHNICAL CONSULTANCY FOR E.P.C.- BIDDING PHASE.</p>	<p>LYBIA <b>2008</b></p>
<p><b>16" GAS PIPELINE M'BOUNDI-DJENO</b></p> 	<p>DETAIL PIPELINE DESIGN FOR CONSTRUCTION.</p>	<p>CONGO <b>2008</b></p>

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<p>UNITE DE TRAITEMENT DE BRUT (UTBS) HASSI MESSAOUD SUD</p> 	<ul style="list-style-type: none"> <li>• DETAIL DESIGN OF PIPELINE NETWORK (N.6 OIL PRODUCTION LINES, N.1 GAS EXPORT LINE, N.1 OIL EXPORT LINE, N.3 HDPE RE-INJECTION WATER LINES) AND RELEVANT PIPELINE CROSSINGS.</li> <li>• PIPELINES WALL THICKNESS AND "PIPELINE CLASSES" DEFINITION ACCORDING TO ALGERIAN CODE.</li> <li>• PIPELINE MATERIAL SPECIFICATION AND MTO FOR MATERIAL PROCUREMENT.</li> <li>• PIPING, MECHANICAL AND CIVIL DETAIL DESIGN OF L/R PIG TRAPS AND RELEVANT CONNECTIONS TO EXISTING STRUCTURES AT EACH SATELLITE.</li> <li>• PIPING, MECHANICAL MANIFOLD DESIGN AT UTBS AND CIS PLANTS.</li> </ul>	<p>ALGERIA <b>2007</b></p>
<p>12" GAS PIPELINE OKONO- OKPOHO-BONNY SHORE APPROACH AND LAND SECTION</p> 	<p>UPDATE OF E.P.C. TENDER.</p>	<p>NIGERIA <b>2007</b></p>
<p>GBARAN-UBIE</p> 	<p>REVISION OF VALVE - STATION DESIGN.</p>	<p>NIGERIA <b>2007</b></p>
<p>AEP DE TAMANRASSET À PARTIR D'IN SALAH-ADDITION ALGERIE</p> 	<p>PIPELINE CONSULTANCY.</p>	<p>ALGERIA <b>2007</b></p>
<p>EXPANSION OF ESCRAVOS LAGOS GAS PIPELINE SYSTEM (PHASE II)</p> 	<p>PIPELINE CONSULTANCY.</p>	<p>NIGERIA <b>2007</b></p>
<p>SAMABRI BISENI DEVELOPMENT PROJECT FLOWLINES AND MAIN HEADERS</p> 	<p>FEED (FRONT AND ENGINEERING DESIGN).</p>	<p>NIGERIA <b>2007</b></p>
<p>N-LNG GAS SUPPLY PROJECT-T6</p>  <p>SAIPEM ENERGY SERVICES</p>	<p>FEED REVISION (FRONT AND ENGINEERING DESIGN).</p>	<p>NIGERIA <b>2007</b></p>

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<p>OPIC PIPELINES</p>  <p>SICON OIL&amp;GAS</p>	<p>TECHNICAL COOPERATION FOR E.P.C. BIDDING PHASE.</p>	<p>OMAN <b>2007</b></p>
<p>MEDGAZ PROJECT MARINE PIPELINE EPIC CONTRACT</p>  <p>Eni Saipem</p>	<p>PIPELINE DESIGN.</p>	<p>ALGERIA <b>2007</b></p>
<p>14" OIL PIPELINE CLUSTER 2 (SAMABRI) LOOP LINE</p>  <p>Eni ENI E&amp;P</p>	<p>FRONT AND ENGINEERING DESIGN (FEED).</p>	<p>NIGERIA <b>2007</b></p>
<p>DOUBLE STOPPLE OPERATION ON 42" PIPELINE BY-PASS THRU HOUSING</p>  <p>TDW</p>	<p>DETAILED STRESS ANALYSIS STUDY.</p>	<p>TURKEY <b>2007</b></p>
<p>GBARAN-UBIE PROJECT</p>  <p>Eni Saipem</p>	<p>MECHANICAL AND CIVIL ENGINEERING DESIGN FOR PIPELINE.</p>	<p>NIGERIA <b>2007</b></p>
<p>KUWAIT OIL COMPANY EARLY PRODUCTION FACILITY FOR RATQA AND ABDALI-NORTH</p>  <p>SICON OIL&amp;GAS</p>	<p>TECHNICAL CONSULTANCY FOR E.P.C. - BIDDING PHASE.</p>	<p>KUWAIT <b>2007</b></p>
<p>CAMPO DI GROTTOLE-FERRANDINA</p>  <p>BASIS ENGINEERING</p>	<p>FEASIBILITY STUDY.</p>	<p>ITALY <b>2007</b></p>
<p>36" MAQTA-UAN</p>  <p>SICON OIL&amp;GAS</p>	<p>DETAIL PIPELINE DESIGN AND HDD DESIGN.</p>	<p>ABU-DHABI <b>2007</b></p>
<p>JUBAIL EXPORT REFINERY PROJECT</p> <p>IPC FANO</p>	<p>STRESS ANALYSIS STUDY OF PIPING SYSTEM.</p>	<p>SAUDI ARABIA <b>2007</b></p>

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TAWEELAH-FUJAIRAH GAS PIPELINE  SICON OIL&GAS	TECHNICAL CONSULTANCY FOR E.P.C. BIDDING PHASE.	EMIRATES 2007






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<p>OIL MULTIPHASE PIPELINE FROM ROM TO BRN</p>  <p><b>Saipem</b> SAIPEM ENERGY SERVICES</p>	<p>FEASIBILITY PROCESS STUDY FEED.</p>	<p>ALGERIA <b>2006</b></p>
<p>ONSHORE EXPORT PIPELINES FROM THE CENTRAL PROCESSING FACILITIES TO OFFSHORE PIPELINES</p>  <p><b>B BASIS ENGINEERING</b></p>	<p>FEASIBILITY STUDY SUPPORTS SYSTEM PRELIMINARY STUDY.</p>	<p>RUSSIA <b>2006</b></p>
<p>EXPANSION OF ESCRAVOS-LAGOS GAS PIPELINE SYSTEM (PHASE 1)</p>  <p><b>Saipem</b></p>	<p>PIPELINE &amp; PIPING CONSULTANCY.</p>	<p>NIGERIA <b>2006</b></p>
<p>EASTERN GAS DISTRIBUTION SYSTEM (EGDS)</p>  <p><b>S</b> SICON OIL&amp;GAS</p>	<p>PIPELINE CONSULTANCY AND DETAILED STRESS ANALYSIS STUDY.</p>	<p>ABU DHABI <b>2006</b></p>
<p>AL-KHAFJI JOINT OPERATION</p>  <p><b>S</b> SICON OIL&amp;GAS</p>	<p>DETAILED STRESS STUDY.</p>	<p>SAUDI ARABIA <b>2006</b></p>
<p>GBARAN-UBIE IOGP</p>  <p><b>Saipem</b></p>	<p>CONSTRUCTION PROCEDURES - VALVES STATIONS DESIGN.</p>	<p>NIGERIA <b>2006</b></p>

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<p><b>RAS LAFFAN TO MESAIEED SWEET GAS PIPELINE</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	AS BUILT DRAWINGS.	QATAR <b>2005</b>
<p><b>AWA PALOUNKOU DEVELOPMENT PROJECT</b></p>  <p><b>Eni Saipem</b></p>	<ul style="list-style-type: none"> <li>• FEASIBILITY STUDY.</li> <li>• PRELIMINARY SUPPORTS STUDY.</li> <li>• BASIC DESIGN.</li> <li>• GAP ANALYSIS STUDY BETWEEN ENI AND TOTAL SPECIFICATION.</li> </ul>	CONGO <b>2005</b>
<p><b>VARIANTE MICROTUNNEL ARNO</b></p> <p><b>SERCOIL PARMA</b></p>	RIVER CROSSING DETAILED STUDY.	ITALY <b>2005</b>
<p><b>GAS RE-INJECTION LINE FROM BRN TO ROM</b></p>  <p><b>Eni Saipem</b> <b>SAIPEM ENERGY SERVICES</b></p>	<ul style="list-style-type: none"> <li>• ROUTE SELECTION.</li> <li>• TOPOGRAPHICAL SURVEY.</li> <li>• GEOLOGICAL AND GEOTECHNICAL SURVEY.</li> <li>• FEED-PIPELINE DESIGN AND PIGGING STATION DESIGN.</li> <li>• TECHNICAL ASSISTANCE FOR HAZID ACTIVITIES.</li> </ul>	ALGERIA <b>2005</b>
<p><b>PIPELINE NETWORK GEODATABASE</b></p>  <p><b>Eni ENI E&amp;P</b></p>	<ul style="list-style-type: none"> <li>• ON SITE DATA COLLECTION.</li> <li>• GIS MANAGEMENT SYSTEM DEVELOPMENT.</li> </ul>	NIGERIA <b>2005</b>
<p><b>REPLACEMENT OF 4" PIPELINE FROM WELL 13 TO OIL CENTRE</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	TOPOGRAPHICAL SURVEY BASIC DESIGN.	ITALY <b>2005</b>
<p><b>PHASE 2 - 18" KWALE-OKPAI</b></p>  <p><b>Eni ENI E&amp;P</b></p>	BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE.	NIGERIA <b>2005</b>
<p><b>TEBIDABA-BRASS OIL PIPELINE</b></p>  <p><b>Eni ENI E&amp;P</b></p>	TECHNICAL ASSISTANCE FOR HAZOP ACTIVITIES.	NIGERIA <b>2005</b>
<p><b>24" OGBAINBIRI-OB/OB GAS PIPELINE</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	FOLLOW-UP OF DETAIL ENGINEERING (PROJECT ENGINEER) AT E.P.C. CONTRACTOR PREMISES.	NIGERIA <b>2005</b>

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<p><b>OGBAINBIRI-TUOMO AND TUOMO-CLOUGH CREEK PIPELINE</b></p>  <p><b>ENI E&amp;P</b></p>	<p>TOPOGRAPHICAL SURVEY WORKS.</p>	<p>NIGERIA <b>2005</b></p>
<p><b>PIPELINE DATA MANAGEMENT SYSTEM</b></p>  <p><b>ENI E&amp;P</b></p>	<p>SOFTWARE DEVELOPMENT IN GIS ENVIRONMENT FOR NIGERIA PIPELINE DATA COLLECTION AND MANAGEMENT.</p>	<p>NIGERIA <b>2005</b></p>
<p><b>REDOUBLING OF MIRA-MESTRE GAS PIPELINE</b></p> 	<p>FEASIBILITY STUDY TOPOGRAPHICAL SURVEY WORKS GEOLOGICAL AND GEOTECHNICAL SURVEY ISSUE FOR PERMITS ISSUE OF DOCUMENTATION IN ACCORDANCE WITH ITALIAN LAWS (D.L. 616, L.490/99).</p>	<p>ITALY <b>2005</b></p>
<p><b>UPGRADING BRANCHING OF BORGIO TARO-SESTRI LEVANTE GAS PIPELINE</b></p> 	<p>FEASIBILITY STUDY TOPOGRAPHICAL SURVEY WORKS GEOLOGICAL AND GEOTECHNICAL SURVEY ISSUE FOR PERMITS ISSUE OF DOCUMENTATION IN ACCORDANCE WITH ITALIAN LAWS (D.L. 616, L.490/99, V.I.A. SUBDUABILITY, V.I.A. AND HYDROLOGIC RESTRAINT ).</p>	<p>ITALY <b>2005</b></p>
<p><b>OIL PIPELINE TRIESTE DTC CONNECTIONS WITH EXISTING PIPELINES</b></p> <p><b>SERCOIL PARMA</b></p>	<p>E.P.C. TENDER DOCUMENTATIONS ISSUE.</p>	<p>ITALY <b>2005</b></p>
<p><b>18" OIL PIPELINE TEBIDABA-BRASS PIPELINE FROM KP 10.000 TO KP 44.700</b></p>  <p><b>ENI E&amp;P</b></p>	<p>BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE.</p>	<p>NIGERIA <b>2005</b></p>





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<p><b>G.S. BERNARDO TUNNEL</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	<p>DETAIL ENGINEERING FOR BARRIER AGAINST AVALANCHE.</p>	<p>ITALY <b>2004</b></p>
<p><b>18" OIL PIPELINE TEBIDABA- BRASS LOOP LINE FROM KP 0.000 TO KP 10.000</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>TOPOGRAPHICAL SURVEY WORK BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE.</p>	<p>NIGERIA <b>2004</b></p>
<p><b>GTS4-36" GAS PIPELINE RUMUJI-BONNY</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>FOLLOW-UP OF DETAIL ENGINEERING AT E.P.C. CONTRACTOR PREMISES (SAIPEM SA-PARIS/FRANCE) AND DURING CONSTRUCTION AT SITE.</p>	<p>NIGERIA <b>2004</b></p>
<p><b>GAS PIPELINE MONTALBANO-MESSINA ND 1200</b></p>  <p><b>Eni</b> <b>Snamprogetti</b></p>	<p>DETAILED ENGINEERING.</p>	<p>ITALY <b>2004</b></p>
<p><b>16" GAS PIPELINE FROM TEBIDABA TO OGBAINBIRI</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>REVISION FOR E.P.C. TENDER FOR SOW VARIATION (NEW DIAMETER AND BATTERY LIMITS).</p>	<p>NIGERIA <b>2004</b></p>
<p><b>RAS LAFFAN TO MESAIEDD SWEET GAS PIPELINE</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	<p>STRESS ANALYSIS CALCULATION FOR N.6 SCARPER TRAPS.</p>	<p>QATAR <b>2004</b></p>
<p><b>GREAT MABRUK DEVELOPMENT PROJECT</b></p>  <p><b>BASIS ENGINEERING</b></p>	<p>DETAIL ENGINEERING FOR NEW FLOWLINES AND NEW INTERCONNECTING PIPING AND WATER.</p>	<p>LYBIA <b>2004</b></p>
<p><b>SUBMARINE PIPELINE FROM IVANA A PLTF. TO POLA</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>BASIC DESIGN - DETAIL DESIGN.</p>	<p>CROATIA <b>2004</b></p>








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<p><b>GENOVA DEBOTTLENECKING PROJECT</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	<p>ANCHOR BLOCK DESIGN FOR MICROTUNNEL.</p>	<p>ITALY <b>2004</b></p>
<p><b>RAS LAFFAN TO MESSAIED SWEET GAS PIPELINE</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	<p>SOFTWARE PIPELINE: AL-SHEET AND PROFILE PACKAGE STRESS ANALYSIS CALCULATION FOR PIPELINE SURVEY SUPERVISION AND CAD OPERATOR ON SITE.</p>	<p>QATAR <b>2004</b></p>
<p><b>H.D.D. TORRENTE SAMOGGIA</b></p>  <p><b>Eni ENI E&amp;P</b></p>	<p>FEASIBILITY STUDY FOR H.D.D.</p>	<p>ITALY <b>2004</b></p>
<p><b>ENNA-AGIRA AND AGIRA-BRONTE 48" GAS PIPELINE</b></p>  <p><b>Eni Snamprogetti</b></p>	<p>DETAIL ENGINEERING.</p>	<p>ITALY <b>2004</b></p>
<p><b>GNL RAVENNA</b></p>  <p><b>Eni ENI E&amp;P</b></p>	<p>PRE-FEASIBILITY STUDY FOR TWO PIPELINE FOR FLOATING TERMINALS.</p>	<p>ITALY <b>2004</b></p>
<p><b>FLOATING TERMINAL FOR GNL LIVORNO REGASIFICATION - 8" ONSHORE PIPELINE</b></p> <p><b>OLT</b></p>	<p>PRE-FEASIBILITY STUDY.</p>	<p>ITALY <b>2004</b></p>
<p><b>G.S. BERNARDO TUNNEL</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	<p>ROUTE CHANGE FOR THE EXISTING PIPELINE LAID ON THE TRAFFIC TUNNEL.</p>	<p>ITALY 2004</p>
<p><b>GAS PIPELINE ENNA-MONTEALBANO ND 1200</b></p>  <p><b>Eni Snamprogetti</b></p>	<p>DETAIL ENGINEERING.</p>	<p>ITALY <b>2004</b></p>




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<p><b>ORMEN LANGE TRANSPORT</b></p>  <p><b>Snamprogetti</b></p>	<ul style="list-style-type: none"> <li>• DETAIL ENGINEERING WITH ISSUE OF SHORE APPROACH DRAWINGS AND CONSTRUCTIVE STANDARDS.</li> <li>• SUPPLY OF ENGINEERING SERVICES FOR THE PREPARATION DOCUMENTS OF PIPING STANDARDIZATION.</li> </ul>	<p>NORWAY <b>2004</b></p>
<p><b>ADRIATIC LNG TERMINAL (ALT)</b></p>  <p><b>Snamprogetti</b></p>	<p>DETAIL ENGINEERING.</p>	<p>ITALY <b>2004</b></p>







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<p><b>HYDROGEN PIPELINE TARANTO-BRINDISI</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	<p>SITE VISIT AND CONSTRUCTION COST ESTIMATION.</p>	<p>ITALY <b>2003</b></p>
<p><b>RIVER ANIENE CROSSING</b></p>  <p><b>SNAM RETE GAS</b></p>	<p>FEASIBILITY STUDY FOR ANIENE RIVER CROSSING BY H.D.D. DETAIL ENGINEERING.</p>	<p>ITALY <b>2003</b></p>
<p><b>GENOVA DEBOTTLENECKING PROJECT</b></p> <p><b>TRECOIL</b></p>	<p>DETAIL ENGINEERING FOLLOW-UP.</p>	<p>ITALY <b>2003</b></p>
<p><b>MOZAMBICO SECUNDA PIPELINE</b></p>  <p><b>SICON OIL&amp;GAS</b></p>	<p>DETAIL ENGINEERING CONSTRUCTION FOLLOW-UP.</p>	<p>MOZAMBICO /SOUTH AFRICA <b>2003</b></p>
<p><b>SAMABRI BIENI TO IDU FS 14" CRUDE OIL GATHERING PIPELINE</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>DETAIL ENGINEERING FOR IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM.</p>	<p>NIGERIA <b>2003</b></p>
<p><b>OKPAI INTEGRATED POWER PLANT</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>HELIPORT AREA: WATER PIPELINES CONNECTION FROM WATER WELLS TO IPP.</p>	<p>NIGERIA <b>2003</b></p>
<p><b>GAS PIPELINE FROM RUMUJI TO PORT HARCOURT FOR GAS SUPPLY TO NAOC BASE</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>SITE SURVEY BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE CAPEX COST ESTIMATION.</p>	<p>NIGERIA <b>2003</b></p>
<p><b>FLARING DOWN PROJECT 18" GAS PIPELINE FROM IDU TO OB/OB</b></p>  <p><b>Eni</b> ENI E&amp;P</p>	<p>SITE SURVEY,FEASIBILITY STUDY,BASIC DESIGN, E.P.C.TENDER DOCUMENTS ISSUE, ISSUE FOR ORDER, ON SITE ASSISTANCE FOR BID TECHNICAL EVALUATION.</p>	<p>NIGERIA <b>2003</b></p>








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<p><b>AIZA LAURA BLOCK–MARICA FIELD DEVELOPMENT SUBMARINE PIPELINE FROM MARICA TO BARBARA T2</b></p>  <p><b>ENI E&amp;P</b></p>	<p>DETAILED DESIGN E.P.C. TENDER DOCUMENTS ISSUE TECHNICAL ADVICE DOCUMENTATION FOR UNMIG.</p>	<p>CROATIA <b>2003</b></p>
<p><b>NIGERIAN MAP</b></p>  <p><b>ENI E&amp;P</b></p>	<p>DIGITALIZATION OF MAPS (HARD COPY) SCALE 1:25000.</p>	<p>NIGERIA <b>2003</b></p>
<p><b>SUBMARINE PIPELINE FROM IVANA A PLTF. TO POLA</b></p>  <p><b>ENI E&amp;P</b></p>	<p>SITE VISIT.</p>	<p>CROATIA <b>2003</b></p>
<p><b>LIVORNO GAS PIPELINE</b></p> <p><b>OLT</b></p>	<p>FEASIBILITY STUDY.</p>	<p>ITALY <b>2003</b></p>






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Project / Client	Services Provided	Location Year
<b>BAB–PRODUCTION FACILITIES EXPORT TRANSFER LINES AND FLOW LINES</b>  <b>CTIP OIL&amp;GAS</b>	COOPERATION FOR E.P.C. TENDER DOCUMENTS ISSUE.	EMIRATES <b>2002</b>
<b>JORDAN CRUDE OIL PIPELINE</b>  <b>CTIP OIL&amp;GAS</b>	COOPERATION FOR CONSTRUCTION COSTS EVALUATION.	IRAQ <b>1991-2001</b>
<b>GAS DISTRIBUTION NETWORK IN AREAS OF EASTERN DELTA PHASE II CITY OF 10° OF RAMADAN</b>   <b>SICON OIL&amp;GAS</b>	STRESS ANALYSIS CHECKING FOR UNDERGROUND PIPELINES.	EGYPT <b>1991-2001</b>
<b>STAVOLI AND SOREMBERG TUNNELS</b>  	CALCULATION REPORT FOR PIPELINE LAYING AND STATIC VERIFICATION.	SWISS <b>1991-2001</b>
<b>NORTH ADRIATIC PROJECT IKA-IDA FIELDS</b>  	COMPLETE BASIC DESIGN AND PREPARTION OF TECHNICAL PACKAGE FOR EPC TENDER FOR INTRAFIELD SEALINES CONNECTING IDA AND IKA PLATFORMS (IDA A, B AND C, AND IKA A AND B) AND EXPORT.	CROATIA <b>1991-2001</b>
<b>OIL PIPELINE FERRERA–G.S.BERNARDO ND 400</b>  	ROUTE CHANGE AT GIGNOD (AO) ISSUE OF DOCUMENTATION FOR PERMITS.	ITALY <b>1991-2001</b>
<b>TRG2-GAS PIPELINE RUSWIL-SORENBERG ND 1200</b>  	PROCEDURES FOR PIPELINE LAYING INSIDE THE TUNNEL.	SWISS <b>1991-2001</b>
<b>RAW GAS PIPELINE FROM OBAMA TO KOLO CREEK</b>  	SITE SUPERVISION FEASIBILITY STUDY BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE LAND ACQUISITION TECHNICAL REPORT.	NIGERIA <b>1991-2001</b>

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<p><b>RAW GAS PIPELINE FROM OGBAINBIRI TO OB/OB</b></p>  <b>ENI E&amp;P</b>	<p>SITE SUPERVISION FEASIBILITY STUDY BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE LAND ACQUISITION TECHNICAL REPORT.</p>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>RAW GAS PIPELINE FROM TEBIDABA TO OGBAINBIRI</b></p>  <b>ENI E&amp;P</b>	<p>SITE SUPERVISION FEASIBILITY STUDY BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE LAND ACQUISITION TECHNICAL REPORT.</p>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>SINAI FIELD IMPROVEMENT PROJECT N. 7 TESTING FLOW LINES</b></p>  <b>ENI E&amp;P</b>	<p>DETAIL DESIGN E.P.C. TENDER DOCUMENTS ISSUE.</p>	<p>EGYPT <b>1991-2001</b></p>
<p><b>NEW PIPELINES SWAMP AREA NDELLE NODE–BONNY–T JUNCTION OGBAINBIRI OPUKUSHI–CLOUGH CREEK TUOMO–FORCADOS / OB/OB–PHARC NDELLE NODE–OGBAINBIRI</b></p>  <b>ENI E&amp;P</b>	<p>SITE VISIT FEASIBILITY STUDY.</p>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>OIL PIPELINE SAMABRI BISENI TO IDU FS</b></p>  <b>ENI E&amp;P</b>	<ul style="list-style-type: none"> <li>• SITE SURVEY.</li> <li>• FEASIBILITY STUDY.</li> <li>• BASIC DESIGN.</li> <li>• E.P.C. TENDER DOCUMENTS ISSUE.</li> </ul>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>GAS EXPORT DOUBLING SECTION FROM OB/OB TO NDELLE</b></p>  <b>ENI E&amp;P</b>	<ul style="list-style-type: none"> <li>• SITE SURVEY.</li> <li>• FEASIBILITY STUDY.</li> <li>• BASIC DESIGN.</li> <li>• E.P.C. TENDER DOCUMENTS ISSUE.</li> </ul>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>ASBAU TRANSITGASLEITUNG NATURAL GAS PIPELINE EXPANSION TRANSITGAS ND 48” MINITUNNEL BILBACH &amp; WISSEMENWALD</b></p>  <b>Snamprogetti</b>	<p>OPERATING PROCEDURES FOR MICROTUNNEL (PIPE JACKING) INSTALLATION AND ND 48”PIPELINE LAYING</p>	<p>GERMANY <b>1991-2001</b></p>





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<p><b>NGL EXPORT THROUGH OKRIKA JETTY PIPELINE ELEME-PHARC E PHARC-JETTY</b></p>  <p><b>ENI E&amp;P</b></p>	<p>SITE SUPERVISION FEASIBILITY STUDY BASIC DESIGN E.P.C. TENDER DOCUMENTS ISSUE CRYOGENIC SERVICE.</p>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>OIL PIPELINE "SIGEMI" GENOVA-LACHIARELLA ND 10"</b></p> <p><b>SERCOIL PARMA</b></p>	<p>CROSSING BY HDD OF TERDOPPIO RIVER, IN THE AREA OF ZINASCO (PV): DETAIL DESIGN. PIPELINE LAYING PROCEDURE PREPARATION. STRESS ANALYSIS VERIFICATIONS.</p>	<p>ITALY <b>1991-2001</b></p>
<p><b>ASBAU TRANSITGASLEITUNG - NATURAL GAS PIPELINE EXPANSION TRANSITGAS</b></p>  <p><b>Snamprogetti</b></p>	<p>TUNNEL ENLARGEMENT DESIGN AND REPLACEMENT OF EXISTING ND 36" WITH NEW 48" PIPELINE.</p>	<p>GERMANY <b>1991-2001</b></p>
<p><b>PIPELINE DESIGN</b></p>  <p><b>Snamprogetti</b></p>	<p>PIPELINE COMPLETE DESIGN (ISSUE FOR PERMIT PURPOSE, FOR TENDERING, FOR CONSTRUCTION) AND AS-BUILT PREPARATION FOR THE FOLLOWING:</p> <ul style="list-style-type: none"> <li>• NATURAL GAS BRANCH CONNECTION TO COMUNE OF RICCIONE ND 150.</li> <li>• NATURAL GAS BRANCH CONNECTION TO COMUNE OF REGGIO EMILIA ND 300.</li> <li>• NATURAL GAS NETWORK DEVELOPMENT FOR COMUNE OF CASTELLARANO AND ROTEGLIA ND 400.</li> <li>• NATURAL GAS PIPELINE EXTENSION TO COMUNE OF LANGHIRANO ND 200.</li> </ul>	<p>ITALY <b>1991-2001</b></p>
<p><b>OIL PIPELINES MULTEDO-PEGLI MINITUNNEL LINKING THE OIL PORT AND GENOVA PEGLI STORAGE OLEODOTTI MULTEDO PEGLI</b></p>  <p><b>SIMECO</b> ENGINEERS &amp; CONTRACTORS</p>	<p>TENDER DOCUMENTS PREPARATION. TECHNICAL ASSISTANCE FOR MATERIAL PROCUREMENT. BIDS TECHNICAL EVALUATION AND CONCERNED TECHNICAL ADVICE. DETAILED ENGINEERING FOLLOW-UP AND CONTRACTOR CONSTRUCTION PROCEDURE VERIFICATION.</p>	<p>ITALY <b>1991-2001</b></p>
<p><b>REROUTING OF OIL PIPELINE BY THE POLCEVERA RIVER AND FENIGO RIVER</b></p> <p><b>SERCOIL PARMA</b></p>	<p>ISSUE OF TENDER DOCUMENT (ON BEHALF OF A.N.A.S.).</p>	<p>ITALY <b>1991-2001</b></p>
<p><b>OFF SHORE BELAYM FIELD OFF SHORE NETWORK UPGRADING</b></p>  <p><b>ENI E&amp;P</b></p>	<p>ON SHORE PIPELINE: BASIC AND DETAILED DESIGN.</p>	<p>EGYPT <b>1991-2001</b></p>



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<p><b>BONNY PROJECT GAS TRANSMISSION SYSTEM AND WATER TRANSMISSION SYSTEM</b></p>  <b>Snamprogetti</b>	<p>DETAIL ACTIVITY.</p>	<p>NIGERIA <b>1991-2001</b></p>
<p><b>CROSSING OF THE PORT OF LIVORNO BY MICROTUNNEL DN 1600 IN R.C.</b></p> <p><b>SERCOIL PARMA</b></p>	<p>COOPERATION FOR FEASIBILITY STUDY.</p>	<p>ITALY <b>1991-2001</b></p>
<p><b>REFURBISHMENT OF EXISTING CRUDE OIL PIPELINES</b></p>  <b>SICON OIL&amp;GAS</b>	<p>BASIC DESIGN.</p>	<p>GEORGIA <b>1991-2001</b></p>
<p><b>TRANSIT AUSTRIA GASLEITUNG</b></p>  <b>Snamprogetti</b>	<p>COOPERATION FOR BASIC DESIGN.</p>	<p>AUSTRIA <b>1991-2001</b></p>
<p><b>QATAR GAS DEVELOPMENT PROJECT GAS PIPELINE ND 34" - KM 32</b></p>  <b>SICON OIL&amp;GAS</b>	<p>BASIC DESIGN.</p>	<p>QATAR <b>1991-2001</b></p>
<p><b>ATTAHADDY-BREGA PIPELINE SYSTEM GAS LINE ND 36" AND CONDENSATE LINE ND 16"</b></p>  <b>Bonatti</b>	<p>DETAILED ENGINEERING.</p>	<p>LIBYA <b>1991-2001</b></p>
<p><b>IMPORT DEVELOPMENT FROM ALGERIA</b></p>  <b>Snamprogetti</b>	<p>DIGITALIZATION OF CADASTRAL MAPS IN SIGAS 4.0.A FORMAT, CHECK OF AS-BUILT DRAWINGS AND UNIFICATION OF CONSTRUCTION LOTS IN DESIGN SECTIONS OF THE FOLLOWING METHANE PIPELINES:</p> <ul style="list-style-type: none"> <li>• MAZARA DEL VALLO-GAGLIANO (KM 230).</li> <li>• GAGLIANO-MESSINA (KM 131).</li> <li>• PALMI-MAIDA (KM 76).</li> <li>• MAIDA-TARSIA (KM 104).</li> </ul>	<p>ITALY <b>1991-2001</b></p>

Project / Client	Services Provided	Location Year
<p><b>AS-BUILT DRAWINGS</b></p> 	<p>ABOVE GROUND REROUTING IN THE AREA OF PIANA DI GAZZO FOR THE NATURAL GAS PIPELINE:</p> <ul style="list-style-type: none"> <li>• LA SPEZIA-CORTEMAGGIORE ND 750.</li> <li>• ADDITIONAL NATURAL GAS PIPELINE SAVIGNANO ON THE PANARO-VIGNOLA ND 200.</li> <li>• NATURAL GAS PIPELINE CONNECTION TO THE COMUNE OF S.PIETRO TERME ND 200.</li> <li>• ALTERNATIVE SOLUTION OF NATURAL GAS BRANCH CONNECTION TO VIANO IN THE AREA OF BOSCOLACCIO ND 250.</li> <li>• NATURAL GAS PIPELINE CONNECTION TO THE PRESSURE REDUCING STATION OF CASTELFRANCO EMILIA TO NATURAL GAS PIPELINE CORTE-BOLOGNA.</li> <li>• NATURAL GAS EXTENSION BRANCH TO LANGHIRANO ND 200.</li> <li>• NATURAL GAS PIPELINE CONNECTION OF ENEL THERMOELECTRIC POWER STATION OF CONTARINA.</li> </ul>	<p>ITALY <b>1991-2001</b></p>
<p><b>ISSUE FOR PERMITS, TENDER AND CONSTRUCTION</b></p> 	<p>CONNECTION OF NATURAL GAS DEVELOPMENT BRANCH TO FABRIANO ND 400 WITH THE BRANCH TO GUALDO TADINO ND 400 (KM 20). DEVELOPMENT OF BRANCH TO FABRIANO ND 400 (KM 30).</p>	<p>ITALY <b>1991-2001</b></p>
<p><b>PIPELINE DESIGN</b></p> 	<p>DESIGN FROM THE SITE DATA SUPPLIED BY SNAMPROGETTI AND ISSUE FOR YARD OF THE FOLLOWING METHANE PIPELINES:</p> <ul style="list-style-type: none"> <li>• NATURAL GAS PIPELINE:MARTIRAMO-TARSIA ND 1200 (KM 80).</li> <li>• NATURAL GAS PIPELINE: TARSIA-MELIZZANO ND 1200 (KM 107).</li> <li>• NATURAL GAS PIPELINE: MONTESANO SULLA MARCELLANA-BRINDISI ND 1050 (KM 161).</li> <li>• NATURAL GAS PIPELINE: BUCCINO-CONTRADA ND 1200 (KM 78).</li> <li>• NATURAL GAS PIPELINE: TERRANUOVA BRACCIOLINI-MARRADI ND 1200</li> <li>• NATURAL GAS PIPELINE: S.LUCIA DEL MELA- MESSINA ND 1200 (KM 38)</li> </ul>	<p>ITALY <b>1991-2001</b></p>
<p><b>PANJIPIR GAS FIELD GAS GATHERING SYSTEM AND GAS TRANSPORTATION PIPELINE</b></p> 	<p>DETAIL ENGINEERING FOR CONSTRUCTION.</p>	<p>PAKISTAN <b>1991-2001</b></p>