



Engineering & Contracting

LIST OF REFERENCES

APRIL 2010



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COLOR CODING
Thermoelectric Power Plants
Renew. Energy Power Plants
Cogeneration Power Plants
Waste to Energy Power Plants
Energy Consultancy Services
Turn-key Supplies

YEAR	CLIENT	PROJECT	SCOPE
2010	COSTELL	2 MW Trigeneration Power Plant in a plastic factory - Voghera	Feasibility Study and Authorizations
2010	LINEA ENERGIA	1 MW Wood Biomass Power Plant with ORC Thermal - Cremona	Preliminary Design, Basic Design and all Authorizations
2010	EDISON ENERGIA	650 kW Trigeneration Power Plant in a chemical factory - Padova	Feasibility Study, Cost Evaluation and Basic design
2010	EnALT/ROMENERGO	Proposal for Electrical Substations 66/20 kV – Damascus - Syria	Electrical equipment and installation Basic design and Cost Evaluation
2010	COMPAGNIA TECNICA MOTORI	1 MW Vegetable oil Diesel engine Power Plant – Cesano Boscone (MI)	Basic Design, Investment cost evaluation, all Authorizations and Detail design.
2009	FIMET	Rehabilitation of District Heating line in Malpensa Airport – Terminal 2 – for SEA	Detail design and Stress Analysis report
2009	MINISTRY of ENVIRONMENT of SERBIA	Energy Efficiency measures in Hipol a.d. Factory	Preparation of Project Design Documents
2009	GEOENERGIE	240 MW Combined Cycle Mid Merit Power Plant - Savinesti - Romania	Owner Engineering for Feasibility study and Permits with ISPE and EnALT, Site development
2009	ROMENERGO	200 MW existing Power Plant extension in Al Nassirieh - Syria	Basic Design and Main Packages specifications for proposal

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2009	EnALT	Relocation of 25 MW GT Power Plant for DALKIA in Brazi - Romania	Process and Detail Mechanical Design, including new equipment specifications and connections
2009	NMG	8 MW Vegetable Oil Engines CHP and 1 MW ORC for S. Leonardo (UD)	Preliminary environmental impact assessment
2009	AMGA LEGNANO	Existing Gas Engine Cogeneration Power Plant - Legnano	Consulting services for O&M Tender documents preparation
2009	EDISON	Bussi Combined Cycle 120 MW Cogeneration Power Plant revamping - Bussi (PE)	Basic design completion and Detail engineering for Process and Mechanical activities, including General Coordination for all disciplines
2009	"Confidential"	2 MW Pyrolysis Waste to Energy Power Plant - South Italy	Process and Basic Design
2009	EDISON	Revamping of the MaM Natural Gas Treatment Plant – Fermo (AP)	Associated gas Analysis, Plant revamping authorizations and Basic Design for new and revamped equipment
2009	ECO HEAT BRASOV	110 MWt Gas boilers, 20 MWe and 20 MWt Gas engines, 8 MWe and 20 MWt Biomass, Cogeneration Power Plant for District Heating - Brasov (Romania)	Owner Engineering with EnALT including Feasibility, Authorizations, Tender Documents, EPC Contractors Follow-up, Plant Start-up
2009	"Confidential"	100 MW Thermodynamic Solar Power Plant proposal	Steam Cycle Basic Design with ESE
2009	REZIA ENERGIA	Teverola 400 MW Combined Cycle Power Plant flexibilization	Feasibility study and cost estimation
2009	TDM	1 MW Biomass Power Plant with complete Thermal cycle and connection with new District Heating – Cesano Boscone (MI)	Project permits and authorizations
2009	POWERCROPS (Actelios/Maccaferri)	30 MW Biomass Thermoelectric Power Plant, biomass handling, grate boiler, power island, flue gas treatment, auxiliaries, high voltage station - Russi (RA)	Owner Eng. For Basic Design completion, Detail Design for Packages and Subcontracts, Procurement and Field Manag. with Elettra Energia
2009	COSTELL	4,2 MW Vegetable Oil Engines CHP and ORC for Istonia Project Vasto (CH)	Basic and Front End Engineering Design
2009	ENIA	65 MW Gas Turbine Combined Cycle - Flexible operation revamping for mid-merit plant type - Reggio Emilia	Feasibility study and cost estimation

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2009	GlaxoSmithKline	2 MW existing Cogeneration Power Plant operations	Technical support services for GSE annual authorization.
2009	PFIZER	Utility optimization project in Ascoli Piceno Pharmaceutical Plant	Basic and Front End Engineering Design for thermal power plant new boilers and air conditioning units energy saving
2009	MASCIANI	1 MW Vegetable oil Diesel engine Power Plant	Basic Design and all Authorizations, Detail design, Procurement and Subcontracts follow up, Field supervision
2008	OTTANA ENERGIA	New Combined Cycle Power Plant in Ottana (NU)	Technical / Economical comparison between 200 MW mid merit or base load plant and 400 MW base load plant
2008	ACSM COMO	Waste to Energy Power Plant Revamping, Installation of the new surface condenser and auxiliaries	Owner Engineering for Mechanical Contractor follow-up, Electrical and Civil detail design and Field supervision
2008	ENIA	4,2 MW Biomass Combustion Power Plant with complete Thermal cycle - Reggio Emilia	Basic design and Investment cost evaluation
2008	SEET (Dalkia France and Elcen Romania)	New 70 MW Combined Cycle Cogeneration Power Plant with District Heating in Grozavesti - Bucarest (Romania)	Owner Engineering for Tender documents, EPC Contractor selection and follow-up, Plant start-up and testing, with ESE and EnALT
2008	EDISON	Sesto S. Giovanni Group 2 Combined Cycle 60 MW Cogeneration Power Plant flexibilization	Basic design, process and mechanical, and detail engineering for thermal circuit new purging system
2008	SORGENIA	12 x 1 MW Biomass Gasification and Biogas Power Plants - Italy	One year Blanket order for Basic Design, Environmental authorizations and Permits, Tender documents preparation
2008	SEI	16 MW Vegetable oil Diesel engine Cogeneration Power Plant - Settimo Torinese (TO)	Basic design and Environmental authorizations
2008	MASCIANI	Textile factory - Cuvio (VA)	Plant Energy audit and Energy savings implementation
2008	ENIPOWER	800 MW Combined Cycle Power Plant - Mantova	Operating electrical manual preparation
2008	PFIZER	Pharmaceutical factory - Ascoli Piceno	Plant Energy audit and Energy savings for hot fluids generation and distribution

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2008	TERMOELECTRICA	315 MW Coal Power Plant Unit 7 Rehabilitation in Isalnita (Romania)	New Control valve System Design, Procurement and Replacement with EnAlt and Suszi (Romania)
2008	ESE	Tender Document preparation for 100 MW Mid-merit Power Plant in Nola (NA)	Plant auxiliaries Basic Design
2008	INDEPENDENT GAS MANAGEMENT	Gas Storage plant in Rivara (MO)	Environmental impact assessment and Technical support for Basic Design document preparation
2008	SIRAM	N. 15 Sport Centres and Swimmingpools energy plants rehabilitation proposal for Milano Sport - Milano	Basic and Detail Design of Renewable energy and Enhanced energy Systems, like Thermal solar, Heat pumps, Condensing boilers, Co.Gen.
2008	ATZWANGER	1 MW Biomass Power Plant with complete Thermal cycle and connection with existing District Heating - Lizzano (BO)	Feasibility study and Basic Design for Authorizations, Detail design for Procurement and Field technical supervision
2008	ACSM COMO	8 MW Waste to Energy Plant, first incineration line revamping - Como	Thermal cycle simulation and air condenser improvement, Basic design, Main equipment and BOP specifications, Procurement assistance
2008	CRM	1 MW vegetable oil diesel Cogeneration Package design construction and test - Castellanza (VA)	Basic design, Detailed engineering, Investment costs, Authorisations and Procurement services
2008	GEOENERGIE	40 MW Coal thermoelectric cogeneration Power Plant for the chemical plant in Zeitz - Germany	Feasibility study
2008	EDISON	Marghera Azotati Combined Cycle 240 MW Cogeneration Power Plant revamping - Porto Marghera (VE)	Basic design completion and Detail engineering for Process and Mechanical activities, including General Coordination for all disciplines
2008	CTM	2.5 MW Open cycle Gasturbine cogeneration power plant - North Italy	Basic and Front End Engineering Design for gasturbine package, recovery boiler, gas compression and water injection skids supply
2008	EDISON	S.Potito-Cotignola (RA) natural gas compression and storage plant	Feasibility study and Tender documents preparation
2008	PFIZER	2 MW Cogeneration Plant at Ascoli Piceno pharmaceutical plant	Basic design and detailed engineering for BOP, including thermal process optimization
2007	"Confidential"	800 MW base load Thermal Power Plant in Romania	Feasibility study, Cost estimation and Permits in consortium with ISPE and EnALT of Bucharest (RO)

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2007	JACOBS ITALIA	2 MW Vegetable oil Diesel engine Trigeneration Power Plant for GSK - Verona	Feasibility study, Cost estimation and business plan development, Basic Design
2007	EDISON	Marghera Azotati Combined Cycle 240 MW Cogeneration Power Plant revamping - Porto Marghera (VE)	Technical design for existing gas turbines removal and sale
2007	AVELAR	N. 7 CIP 6 (600 MW overall) Combined Cycle Cogeneration Power Plants	Technical assessment, Data room assistance and Rehabilitation Investment plan
2007	JACOBS ITALIA	2 MW Gas Engine Cogeneration Plant for Pfizer - Ascoli Piceno	Feasibility study, Cost estimation and business plan development, Basic Design
2007	RADICI ENERGIE	5 MW Vegetable oil Diesel engine Cogeneration Power Plant for N. 3 industrial areas - Italy	Basic Design for site authorization
2007	AGAM	16 MW Gas Engine Cogeneration Plant and District Heating in Monza (MI)	Tender document finalization for civil, engines and electromechanical Balance Of Plant sub-contracts
2007	SIRAM	17 MW Gas Engine Trigeneration Heat, Cool and Power for S.Benedetto mineral water factory in Scorzè (VE)	Technical consultancy for tender documents preparation and contractors bid evaluation
2007	ASCOPIAVE	1,5 MW Gas Engine Trigeneration Heat, Cool and Power for district Heating in new residential complex in Villorba (TV)	Basic and detail design of complete power plant and district heating system
2007	RICCI MARMI	15 kWp photovoltaic roof in the marble factory - Ravenna	Basic design and authorisations, Technical assistance in supplier selection
2007	CTM	New biodiesel 400 kW generation set for ENEL Ricerca - Isola di Capraia (LI)	Basic and Detail Design of engine Balance of Plant.
2007	RADICI ENERGIE	10 MW Vegetable oil Diesel engine Cogeneration Power Plant - Casnigo (BG)	Feasibility study, Basic design, Cost evaluation
2007	"Confidential"	700 kW Hydroelectric Power Plant	Operational Due Diligence
2007	ELECTRA ITALIA (BKW Group)	100 MW Combined Cycle Power Plant - Italy	Technical and Environmental Assessment, Data Room assistance, Owner Engineering

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2007	GDE	Vegetable oil Storage and Blending Farm, 20 MW Diesel engine Power Plant - Sicily	Basic design of on-sites and off-sites, Cost evaluation, Owner Engineering
2007	EDISON	Marghera Levante Combined Cycle 240 MW Cogeneration Power Plant revamping	Basic design, process and mechanical, and detail engineering for 2 HRSG's new draining systems and main steam lines modification
2007	ARCHITETTURE INFORMATICHE	3 MW Vegetable oil biomass Power Plant - Sicily	Feasibility Study, Basic and Front-end Engineering Design, Cost evaluation.
2007	MA.TE.	20 MW Gas Engine Cogeneration Plant and District Heating in Novara for ASM Novara (Pessina Group and ASM Brescia), including 20kWp photovoltaic roof	Basic Design, Permits and Authorizations, Cost Evaluation, Front-End Engineering, Procurement Plan, Detailed Engineering
2006	ST LEGNANI	3 MW Maize biomass fuelled Trigeneration power plant with district heating and cooling - Treviolo (BG)	Basic design of both Power Plant and District heating and cooling, Cost evaluation, Business plan
2006	AMGA LEGNANO	Environmental impact assessment for Cogeneration Plant exhaust gas - Legnano	Full study for Environmental Authority (ARPA), including use of ISC3 modelization
2006	TECNIMONT	HD/LD Polyethylene Plants, 400 kT/year each, Al Jubail (SA) EPC Tasnee	Pellets Silo Washing and Draying Packages: Design, Procurement, Fabrication, Assembly, Inspection, Testing, Delivery, Spare parts
2006	SADEMI	40 MW Gas Cogeneration Power Plant - Combined Cycle Gas Turbine for Barilla Factory - Pedrignano (PR). EPC for electromechanical Balance Of Plant	Mechanical Detail Design including P&ID's, Plant Layout, Piping and Support Structures engineering
2006	EDISON	Sarmato Energia Combined Cycle 135 MW Cogeneration Power Plant revamping	Basic design, process and mechanical, and detail engineering for HRSG new draining system
2006	CTM	Sky - Santa Giulia - Emergency generators building - Milano	Basic design and Detailed engineering of building steel structures
2006	FENICE	13 MW Gas Cogeneration Power Plant - Combined Cycle Gas Turbine for Whirlpool Factory - Biandronno (VA)	Basic Design Review, Front-End Engineering Completion and General Spec. preparation
2006	FENICE	5 MW Gas Cogeneration Power Plant - Simple Cycle Gas turbine for paper mill Cartiere Etruria - Empoli (FI)	Feasibility study, basic and detail design of MT/BT electric system
2006	FENICE	40 MW Gas Cogeneration Power Plant - Combined Cycle Gas Turbine for Barilla Factory - Pedrignano (PR)	Basic Design Review and Front-End Engineering Completion

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2006	ATLANTA	5 MW Wind Power Farm - Monteleone (FG)	Consulting, Basic Design, Permits and Authorizations, Environmental Evaluation, Front-End Engineering
2006	GENERGIA	6MW Gas Engine Trigeneration Heat, Cool and Power for district Heating in new Kilometro Rosso Research and Technology Park - Bergamo	Basic Design, Permits and Authorizations, Environmental Evaluation, Front-End Engineering, Procurement support, Cost evaluation
2006	AEB	District heating extension "Lotto B" in Seregno (MI) with TDM Servizi	Detail design and cost evaluation including bid documents preparation
2006	MITSUBISHI	Repowering of 11MW Milos and 5,5 MW Mykonos Power Plants by Replacement of Diesel Generating Units for PPC (Greece)	Engineering services for Technical Proposal and Cost Estimation
2006	DOCKS CEREALI	24 MW Biomass Thermoelectric Power Plant, biomass handling, grate boiler, power island, flue gas treatment, high voltage station - Ravenna	Feasibility Study, Basic and Front-end Engineering Design, Environmental Permits Support, Procurement preliminary activities
2006	MASCIONI	36,5 MW Vegetable oil biomass C.C. Power plant - 2 Diesel engines and 1 Steam turbine power island, oil refining plant and fuel storage island - Cuvio (VA)	Feasibility Study, Basic and Front-end Engineering Design, Cost estimation and Business plan Development
2006	CARTIERA SMIWRAP	10 MW Gas Cogeneration Power Plant - Simple Cycle Gas Turbine for Paper Mills in San Giovanni Bianco (BG)	Feasibility study, cost estimation and business plan development
2006	PIRECO	Proposal for Repowering by replacement of 3 x 20 MW Steam Turbine installation in Arzew Bethioua - Algeria Power Plant for Sonatrach	Basic Design for B.O.P. and Cost Evaluation, Interconnecting Engineering
2006	FAST	SIEPAC Project - 230 kV Interconnection Salvador, Honduras ,Nicaragua - Design of Towers 2TD1, 2TDD, TDD and TD1 for Techint Mexico	Design calculations and drawings
2005	ASCOPIAVE	Gas Engine Cogeneration Heat and Power for district Heating in Municipality of Varese Province	Performance Test and Inspection Reporting
2005	CPL CONCORDIA, FIMET, STS	District heating and Heating plants transformation in Terminal 2 of Malpensa Airport (MI) for SEA	Multidisciplinary Detail Engineering and Cost definition
2005	META	New Maintenance Contract for Incineration lines 1,2 ,3 and Water Treatment	Preparation of Maintenance Plans and Prices
2005	EDISON	2 x Frame 9 FB Gas Turbine Generator in Simeri Crichi (CS) 800 MW Combined Cycle Power Plant	Detailed Engineering of Light structures and ducting in Turbine Building

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2005	TDM	27 MW Gas Engine Cogeneration Plant and District Heating in Caponago (MI) for SAPIO	Basic Design, Permits and Authorizations, Environmental Evaluation, Front-End Engineering, Procurement Plan, Detailed Engineering
2005	AGAM	16 MW Gas Engine Cogeneration Plant and District Heating in Monza (MI)	Basic Design, Permits and Authorizations, Environmental Evaluation, Front-End Engineering, Procurement Plan, Detailed Engineering
2005	GE INTERNATIONAL	2 x Frame 9 FB Gas Turbine Generator in Simeri Crichi (CS) 800 MW Combined Cycle Power Plant for EDISON	Multidisciplinary Detailed Engineering and Design of Interconnecting Systems and Procurement Services in Turbine building area
2005	PIRECO	Proposal for the 6 MW Diesel Generator Power Station for GNPOC in Diffra - Sudan	Basic Design and Engineering of the Balance Of Plant
2005	METANO IMPIANTI	Natural gas skid mounted Reducing Station for Ansaldo Energia in Rosignano (LI)	Steel structures Detailed Engineering and Supply
2005	META	New 25 MW Waste to Energy plant with new 500 t/day 4th incineration line and flue gas treatment in Modena	Owner Consultancy, Multidisciplinary Detailed Engineering and Design, Procurement Services and Field Assistance.
2004	METANO IMPIANTI	Natural gas skids of Collalto Gas Storage plant for EDISON	Steel structures Detailed Engineering and Supply
2004	ETS	Revamping of 20 MW Famagosta Cogeneration Plant for AEM in Milano	Front-end and Detailed Engineering including Project Management, Process, Mechanical, Piping, Instrumentation and Field Supervision
2004	GE INTERNATIONAL	Gas and Steam Turbine Generators in Teverola (CE) 400 MW Combined Cycle Power Plant for FWI	Multidisciplinary Detailed Engineering and Design, Procurement Services and Field Assistance complete Turbine building area
2004	ROLLS ROYCE	Proposal for a 20 MW Gas Engine Cogeneration Power Plant	Proposal Management, Engineering and Procurement Services, Bid Documents preparation
2004	EDISON	400 MW Combined Cycle Power Plant Authorizations and Environmental Permits - Acerra (NA)	Basic Design, Process and all Technical disciplines
2004	HIDADA	380 kV Multi Circuit Towers of Jeddah North Project for SEC, Saudi Arabia	Design Calculations and Drawings Review and Validation
2004	PIETRO FIORENTINI	Fuel Gas Station and Glycol Injection Units for FERNAS, Turkey	Detailed Engineering, Mechanical, Electrical and Instrumentation, of skid mounted Units and Workshop technical Supervision

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2004	ARTHUR D.LITTLE	7 Hydro Power Plants Assessment: 0,3 to 35 MW	Technical and Environmental Assessment
2004	HIDADA	Proposal for Shoaiba Steam Power Plant tanks for SEC, Saudi Arabia	Calculation and Design of Storage Tanks
2004	PROGETTISTI ASSOCIATI	Front-End and detailed Engineering of Sesto S. Giovanni (MI) Thermal Exchange Plant revamping for AEM	Front-end and Detailed Engineering including Project Management, Process, Mechanical, Piping, Instrumentation and Control
2004	PACI E PAGLIARI	22 MW Biomass Power Plant in Drying Plant for agricultural production - Finale Emilia (MO)	Feasibility study and Cost evaluation
2004	EDISON	Torviscosa (UD) 800 MW Combined Cycle Power Plant	Project Management assistance, Project reporting, Procurement follow-up
2004	HIDADA	Storage tanks for Qatar Gas to Liquids project for TECHNIP	Design Calculations and Drawings Review and Validation
2004	EDISON	Candela (FG) 400 MW Combined Cycle Power Plant	Detailed Engineering of Light structures and ducting in Turbine Building
2003	ATEL SESTI - FIMET	Proposal for a 10 MW Gas Engine Cogeneration Power Plant and District Heating in Como for COMOCALOR	Proposal Management, Basic Design, Cost Evaluation and Bid Documents preparation
2003	GE ENERGY SERVICES	Frame 9 FA Gas Turbine Generator in Candela (FG) 400 MW Combined Cycle Power Plant for EDISON	Multidisciplinary Detailed Engineering and Design of Interconnecting Systems in Turbine building area
2003	PROGETTISTI ASSOCIATI	Detailed Engineering of New Fiera di Milano Thermal Exchange Plant in Pero (MI) for AEM	Instrumentation and Control Basic Design and related Field Supervision
2003	MITSUBISHI	Proposal for a 20 MW Gas Engine Cogeneration Power Plant	Proposal Management, Engineering and Procurement Services, Bid Documents preparation
2003	SEA	Heat and Cooling Systems distribution inside Linate Airport	Project Management, Detailed Engineering and Safety, Cost Definition and technical Field Assistance