
GIULIANO ANTONIO GUERRA

CURRICULUM VITAE

Gennaio, 2021

Degree

Bachelor degree as ELECTRICAL ENGINEER on 1991.11.12 – University of Genova – Thesis on “Automatic Analysis of Partial Discharges for Characterization of Insulating Material” – Score: 103/110.

Member of - Ordine degli Ingegneri della Provincia di Alessandria – since 1997/01/25 No. 1274

EGE (Esperto in Gestione dell'Energia) – Energy Auditor: Certification No.P 160016 EM

Working Experience

From 2016 to now General Manager of PWE – Power Engineering Srl

From 2002 to now – General Manager and Technical Director at G-ENERGY s.a.s.

From 1997 to 2001 employee at ABB T&D Italy, as R&D manager and New Product development responsibility

From 1991 to 1997 employee at ABB Corporate Research Center Italy (ITCRC), as Project Manager of Insulating System Department

From 1991, June to September employee at ABB Corporate Research Center Switzerland (CHCRC), as Researcher on Insulating System

Before 1987 employee at CdS & CGE Srl Company as technician

Foreign Language

English

French

Seminar and professional courses

Corso di aggiornamento per Esperto in Gestione dell'Energia

Corso di aggiornamento disegno architettonico Autocad 2020

Corso di aggiornamento Prevenzione incendi L. 818/84

Corso RSPP – CDS Service Srl – Rischio Alto

EGE Energy Management Expert Course, - Fondazione FENICE - Padova 16-23/05/0216

ABB Course “HD4 & VD4 Circuit Breaker Maintenance Course” – Dalmine 5-7/November2013

ABB Course “Relion 615 & REF542+ Operating Configuration & Engineering” – Dalmine 4-7/June2013

Italian Electrical Committee course: “The new CEI 0-21 standard” c/o CEI – Milano, 14 February 2013

“Energy Production from Biogas”. Milano, 27 Febbraio 2007

Renewable Energy Production - Milano, 27 Febbraio 2007

Seminar “McTer Days”. “Cogeneration” Milano, 16 Ottobre 2006

“Next Energy”. Chairman of “Trigeneration seminar”, 2 Marzo 2006

PMI Alessandria: Chairman of “Energy Saving Technologies”, 5 Giugno2003

TURBEC Microturbine ASP Training Course –Mestre (VE), 20-23.01.2003

Energy Purchasing Mastercourse – Milano, 28-30.10.2002

CAPSTONE Microturbine ASP Training Course - Mestre (VE), 21-25.05.2002

ABB Internal Course “Leadership”, 27/28.09.1999

ABB Internal Course “Progetto Coaching”, 15/18.07.1999

ABB Internal Course “Assessment Center”, 15.03.99

ABB THS Seminar “Substation Reliability”, Grossahueim (DE), 24-28.10.1998

ABB THS Seminar “Future Distribution Network Planning”, Grossahueim (DE), 22-25.04.1998

ABB THS Seminar “DIALOG” 03.05.1996, Società “KNIGHT-RIDDER INFORMATION”, Milano

ABB Seminar “Meeting Management” 14-15.09.1995; “MIDA”, Milano.

ABB Seminar “Effective Presentation” 27-29.04.1994, “G.A.F.”, Zurigo.

Publication

“An Integral Evaluation Approach for Bidding of New Components for HV Substations” ” CIGRE' Session 2002, Paris, August 2002

“Soluzioni multifunzionali modulari per sottostazioni di Alta Tensione”, Power Technology, Maggio 2001

“Functional Specification as driver for technical and economical optimization of substations” CIGRE' Session 2000, Paris, August 2000

“Specifiche funzionali e Life Cycle Cost, nella Design di stazioni elettriche” rivista AEI “Nuova Energia Elettrica”, Aprile 2000

“Functional Specification as key element for optimal S/S concept in de-regulated market”, CIGRE' Colloquium, Zurich, September 1999

"Compact Solution for Innovative Substation", CEPESI (Thailand) November 1998

"PD Detection and Localization by means of acoustic methods on Hydrogenerator Stator Bar", "IEEE Transaction on Dielectrics and Electrical Insulation", Vol.2, N.4, August 1995.

"Location of Partial Discharge sites on power generator bars by means of ultrasonic measurements" IEEE Instrumentation & Measurement Technology Conference, Ottawa Canada, May 19-21 1997

"Surface Discharge Resistance Testing of Dielectrics", "Optimization of Partial Discharge Testing" pubblicati su "Proceedings of 4th International Conference on Conduction and Breakdown in Solid Dielectrics", 22-25 June 1992, pagg.160/193.

University thesis developed as ABB tutor

"Electrical substation standardization" – Politecnico di Milano – Tutor Prof. R. Ottoboni;

"Electrical substation Reliability" – University of Pavia – Tutor Prof. P. Marannino;

"Life Cycle Cost of Electrical Substation" – University of Pavia – Tutor Prof. F. Benzi;

"Reliability and Life Cycle Cost of Substation" – Politecnico di Milano – Tutor Prof. A. Tironi;

Patent

United States Patent Application_ 0030212514

United States Patent_ 6671634

United States Patent_ 6683267

In the following, performed activities are listed by:

- *Basic Design and Feasibility studies*
- *Authorization procedures, Design and Commissioning*
- *Consultancy activities*
- *Long term agreement*

BASIC DESIGN & FEASIBILITY STUDIES

Customer	Project	Final Customer	Activity	Period
ABB Solutions	HV/MV Substation		Basic design	3Q-2002
CTE SpA	HV/MV Substation Protection System	O.N.E. Marocco	Basic design	4Q-2002
Direzione Tecnica I.N.P.S. Liguria	Microturbine cogeneration plant		Basic design	1Q-2003
AMGA Legnano SpA	Microturbine cogeneration plant		Feasibility study	1Q-2003
AGESETECO Srl	District heating		Feasibility study	1Q-2003
Heat & Power Srl	Microturbine cogeneration plant for six sites		Feasibility study	3Q-2004
REAM SpA	Energy saving activities trigeneration power plant	GUALA Pack Spa	Basic design	4Q-2004
VATECH T&D	Substation AT/MT 72,5 kV – GIS		Basic design	2Q-2005
SET Impianti Srl	New power supply for ENI Sannazzaro refinery (380/132kV SS)	Enipower	Basic design	2Q-2005
SIEMENS SpA	66kV GIS Substation	ATEL (CH)	Basic design	4Q-2005
ABB Energy Automation	Containerized Cogeneration Plant 2,5MW		Basic design	2Q-2006
ABB Energy Automation	Protection relays for steam turbine power generation plant	SORIS Spa	Basic design	3Q-2006
ASM Brescia	MV Primary Distribution Switchboard - Cabina Donegani		Basic design	1Q-2007
BEA Srl	District heating upgrading	Comune di Serravalle Scrivia	Basic design	2Q-2007
Raffineria di Milazzo.	Upgrading of 150kV network & Substation		Basic design	3Q-2007
Confapi Energia SpA	Photovoltaic power plant for six customers		Basic design	1Q-2008
BEA Srl	Biomass Power Plant		Feasibility study	3Q-2008
AMAG AL	24MW District Heating		Feasibility study	4Q-2008
ROSIELLO Srl	1 MWp Photovoltaic Power Plant		Feasibility study	2Q-2009
Comune di Busto Garolfo	2MW District Heating		Feasibility study	3Q-2009
Comune di Serravalle Scrivia	Photovoltaic power plant		Feasibility study	4Q-2009
ENERECO SpA	380/20 kV Substation upgrading	Enipower - BS	Basic design	4Q-2009
CS IMPIANTI Spa	New ENI CED Power supply - 380/132/6kV substation	Enipower – PV	Basic design	1Q-2010
CHEMTEX Italia Srl	20MVA Biomass Power Generation Plant		Basic design	2Q-2010
Raffineria di Milazzo ScpA	150kV Network upgrading		Basic design	3Q-2014
SIEMENS	220kV Substation	ABS Spa	Basic design	3Q-2014
ENERECO	150kV new COVA substation	Enipower	Basic design	3Q-2014
SIEMENS	132kV Substation	ABS Spa	Basic design	1Q-2015
SRT Spa	Biogas from waste - new 2MW Power Plant		Basic design	4Q-2015
UTIP Srl	n. 2, 6 kV distribution substation ENI SEF	Enipower	Basic design	1Q-2016
E.On	Emergency feeder investigation	PIRELLI Settimo To	Feasibility study	3Q-2016
Cartiere del Polesine	New 132kV connection. 2x132kV SS + 132kV cable line connection	Cartiere del Polesine	Feasibility study	4Q-2016

AUTHORIZATION, DESIGN, COMMISSIONING

Customer	Project	Final Customer	Activity	Period
RDM - TO	Paper mill Steam turbine protection - General Check		Commissioning	3Q-2002
Comune di Novi Ligure	Photovoltaic Power Plant "Maglietto"		Design	1Q-2003
SAE Progetti s.r.l.	Microturbine cogeneration plant	Comune di Brembate (BG)	Authorization - Design - Commissioning	2Q-2003
ABB Energy Automation	Microturbine cogeneration plant		Design	2Q-2003
ABB Energy Automation	MV primary distribution switchboard	SARAS	Design	3Q-2003
RESTIANI SpA	Microturbine cogeneration plant	Comune di Novi Ligure	Design	3Q-2003
ASM Pavia	Microturbine cogeneration plant		Design	4Q-2003
ABB Power Technology	150kV Substation revamping	Raffineria di Milazzo	Design	4Q-2003
ABB Power Technology	150kV Substation revamping	ERG Med - Priolo refinery	Design	4Q-2004
ABB Power Technology	66 kV Raylways Substation	RFI	Design	4Q-2004
IMEB Srl	MV primary distribution switchboard	SMEDE Pantelleria	Design	1Q-2005
IBT Srl	Microturbine cogeneration plant	Comune di Saint Vincent (AO)	Design	2Q-2005
Heat & Power Srl	Biogas cogeneration plant	AMIAS SpA	Design - Commissioning	3Q-2005
Heat & Power Srl	Microturbine cogeneration plant	AMGA SpA	Design	4Q-2005
SAE POWER SpA	S/S NG Ghana		Design	1Q-2006
Comune di Cabella Ligure	Photovoltaic power plant		Authorization - Design	3Q-2006
Direione Tecnica I.N.P.S. Liguria	Microturbine cogeneration plant		Design	3Q-2006
ABB Energy Automation	Trigeneration power plant	ASM Settimo To	Design	3Q-2006
ABB Energy Automation	Biogas power generation plant	ASM Settimo To	Design	4Q-2006
ABB Energy Automation	132kV substation	BARILLA Spa	Design	4Q-2006
ABB Energy Automation	220kV - 60kV GIS Mobile Substation	Sonelgaz	Design	4Q-2006
SAE POWER SpA	Biogas Microturbine Cogeneration Plant		Design - Commissioning	4Q-2006
Studio Tecnico Ing. Cabella M.	2.5kW MV/LV Switchgear	Banca Intesa	Design	1Q-2007
Heat & Power Srl	5MW Turbogas Power Generation Plant	MICHELIN Italiana Spa	Authorization - Design - Commissioning	2Q-2007
SIEMENS SpA	N.2 x 138kV Mobile GIS Substation	TEIAS Turkey	Design - Commissioning	3Q-2007
American Eagle	Biogas power generation plant	Az. Agricola Marchetti Paolo Angelo	Authorization - Design - Commissioning	4Q-2007
Raffineria di Milazzo.	MV switchgear wiring diagram renew		Design	4Q-2007
BEA Srl	Photovoltaic power plant	Comune di Vignole Borbera	Authorization - Design - Commissioning	3Q-2008
Heat & Power Srl	Microturbine cogeneration plant	MIRA	Design	4Q-2008
SIEMENS Spa	380kV GIS Substation	SORGENIA	Design - Commissioning	4Q-2008
ABB Energy Automation	220kV - 60kV GIS Mobile Substation	SONELGAZ	Design	1Q-2009
Heat & Power Srl	5MW Turbogas Power Generation Plant	MICHELIN Italiana Spa	Authorization - Design - Commissioning	1Q-2009

AUTHORIZATION, DESIGN, COMMISSIONING

Customer	Project	Final Customer	Activity	Period
Heat & Power Srl	100kW Wood Power Generation Plant	Chemtex Italia Srl	Authorization - Design - Commissioning	2Q-2009
Raffineria di Milazzo	Upgrading of 150kV network & Substation		Commissioning	2Q-2009
Heat & Power Srl	District heating & cooling 4MWt with renewable cogeneration	Comune di Alessandria	Authorization - Design	3Q-2009
ABB Energy Automation	150kV AIS Substation - 100MW Wind Farm		Design	4Q-2009
SIEMENS SpA	220/132kV Mobile GIS Substation – EL Sewedy - Ethiopia		Design - Commissioning	4Q-2009
ESSETI Energia Srl	1MW Biomass Power Generation Plant		Authorization - Design - Commissioning	1Q-2010
ACOS Spa	N. 18 Photovoltaic Power Plant (1,3MWp)		Authorization - Design - Commissioning	1Q-2010
SIEMENS Spa	380kV GIS Substation	SORGENIA	Design - Commissioning	1Q-2010
Heat & Power Srl	Cogeneration power plant "Capo Vaticano"	Blue Bay Resort	Design - Commissioning	1Q-2010
Alpha Trading Srl	Power Generation Plant - 1MW		Authorization - Design	1Q-2010
MARCHETTI Snc	380 kW Biogas Power Plant		Authorization - Design - Commissioning	1Q-2010
Confapi Energia SpA	316kWp PV Power Plant – Comune di Ronsecco		Authorization - Design - Commissioning	2Q-2010
ABB Power Product	150kV Mobile Substations	TERNA Spa	Design	2Q-2010
SUNPOWER Italia Srl	16,2MWp PV Power Plants - MV switchgear	Solar Ventures Srl	Authorization - Design - Commissioning	3Q-2010
FERRANIA Solis Srl	244kWp PV Power Plant	Az. Agr. Viziano	Authorization - Design - Commissioning	3Q-2010
Heat & Power Srl	1MW Biogas power plant	BBM Srl	Authorization - Design - Commissioning	3Q-2010
Heat & Power Srl	5MW Turbogas Power Generation Plant	PIRELLI Industrie Spa	Authorization - Design - Commissioning	1Q-2011
ABB Energy Automation	220kV - 60kV GIS Mobile Substation	SONELGAZ	Design	1Q-2011
SIEMENS Spa	31,5kV Mobile Substation	TEPCO	Design - Commissioning	2Q-2011
RESTIANI SpA	130kWp PV Power Plant		Authorization - Design - Commissioning	2Q-2011
MICHELIN Italiana Spa	New 3.5MW Process Plant "COEX"		Design - Commissioning	3Q-2011
CHEMTEX Italia Srl	20MVA Biomass Power Generation Plant		Authorization - Design - Commissioning	4Q-2011
KINEXIA Spa	4x1MW Biogas Power Generation Plant - MV Switchgear		Authorization - Design - Commissioning	1Q-2012
RESTIANI SpA	20 kWp PV Power Plant		Authorization - Design - Commissioning	2Q-2012
RESTIANI SpA	88 kWp PV Power Plant	Casa di Riposo Borsalino	Authorization - Design - Commissioning	3Q-2012
RESTIANI SpA	198 kWp PV Power Plant - Raffineria di Roma	TOTALERG	Authorization - Design - Commissioning	3Q-2012

AUTHORIZATION, DESIGN, COMMISSIONING

Customer	Project	Final Customer	Activity	Period
Comune di Serravalle Scrivia	Building thermal plant revamping		Authorization - Design - Commissioning	3Q-2012
Heat & Power Srl	n. 27 Cogeneration Power Plant		Authorization renewal	4Q-2012
Restiani Spa	Safety on 13 Process Plant		Authorization renewal	1Q-2013
SIEMENS Spa	220 kV AIS Transformer bay	ILVA Spa	Design - Commissioning	1Q-2013
SIEMENS Spa	220 kV AIS Transformer bay	ABS Spa	Design - Commissioning	2Q-2013
PIRELLI Industrie Pneumatici Srl	132/15kV Substation - Protection relays study		Design - Commissioning	2Q-2013
ELKROM	220kV/60/31,5kV GIS Mobile Substation	TOSHIBA / SONELGAZ	Design	2Q-2013
IBP Spa	Energy management: data acquisition system		Design - Commissioning	3Q-2013
Accor Hotel Spa	MV protection system		Design - Commissioning	3Q-2013
SIEMENS Spa	33/11,5 kV mobile substation	MOE - Iraq	Design	1Q-2014
ABB Spa	220/15 kV substation + Network studies	TECNOPARCO Val Basento	Design - Commissioning	1Q-2014
SIEMENS Spa	420kV Substation DEDISA - Cable route	NG – South Africa	Design	1Q-2014
SIEMENS Spa	420kV Substation AVON - Cable route	NG – South Africa	Design	1Q-2014
BARILLA Spa	MV relays replacing - Pedrignano Factory - Network studies		Design - Commissioning	2Q-2014
PIZZAROTTI SpA	CEI 0-16 retrofit for MV substation		Authorization - Commissioning	2Q-2014
MICHELIN SpA	Replacing of MV protection - Network studies		Design - Commissioning	4Q-2014
Heat & Power	5MW Turbogas Power Generation Plant - Network studies	PIRELLI Industrie Spa	Design - Commissioning	4Q-2014
Raffineria di Milazzo ScpA	12 MW turboexpander	RAM	Commissioning	1Q-2015
Heat & Power	1,5 MW trigeneration power plant	PATHEON Spa	Electrical design commissioning	2Q-2015
Pirelli Industrie Srl	MV 22kV network protection settings	PIRELLI	Design - Commissioning	3Q-2015
Heat & Power Srl	2MW Power Generation Plant	Pasta Zara S.p.a.	Authorization - Design	3Q-2015
Heat & Power Srl	5MW Turbogas Power Generation Plant	PIRELLI Spa	Authorization renewal	3Q-2015
BARILLA Spa	MV Generator protection replacing - Foggia Factory	BARILLA Foggia	Design - Commissioning	4Q-2015
Heat & Power Srl	1MW Power Generation Plant	Pasta Zara 3 S.r.l.	Authorization - Design	1Q-2016
TOSHIBA-MITSUBISHI TMEIC Japan	Harmonic analysis and filter dimensioning for 6,3kV network	GARMCO- Mill Factory Barhein	Electrical design	2Q-2016
SIEMENS Spa	245kV Substation MILANO – MARCELLO Cable route	TERNA	Design	2Q-2016
Pasta Zara 3 Srl	15kV switchboard - Main protection replacing	Pasta Zara Rovato	Commissioning	2Q-2016
Raffineria di Milazzo ScpA	SSE 150kV new "D" busbar	RAM	Commissioning	2/3Q-2016
SIMECO Srl	150kV substation Sarlux (CA)	SARAS	Basic Design	3Q-2016
SIEMENS Spa	132kV AMAIE Substation replacing	ENEL	Design 152L1/L2	3Q-2016
SIEMENS Spa	132kV Substation replacing	SARPOM	Design TR1	3Q-2016
IBT GmbH	Biogas cogeneration plant	Cap Holding Spa	Authorization Design	4Q-2016
Solvay Spa	Exhaust duct study	Solvay Solexis Facotry	Design	1Q-2017
Raffineria di Milazzo ScpA	2x150kV substation + 150kV cable line connection – Milazzo (ME)	RAM	Authorization Basic Design	1Q-2017

AUTHORIZATION, DESIGN, COMMISSIONING

Customer	Project	Final Customer	Activity	Period
SIEMENS	132/33,5kV Mobile Substation	UGANDA	Design Commissioning	IQ-2017
Cartiere del Polesine Spa	132/20kV SS & 132kV cable connection	CdP	Authorization Design	IQ-2017
Alba Power Srl	132/15kV Power transformer replacing	AP	Design Commissioning	IIQ-2017
IMPES Service Srl	220/15kV Substation	TECNOPARCO VB	Commissioning	IIQ-2017
E.ON	Cogeneration power plant	Various	Fault detection	IIQ-2017
PIRELLI Spa	Cogeneration Power plant	Settimo To	Basic design	IIIQ-2017
BARILLA	MV Distribution substation	Foggia factory	Design Commissioning	IIIQ-2017
E-Distribuzione Spa	132/15kV Substation design	E-Distribuzione Spa	Authorization Basic Design	IIIQ-2017
E.On	Cogeneration power plant	Granarolo Spa	New PP	IV-2017
IBT GmbH	Quadrigenation 1MW Power Plant	COATI Srl	Authorization Design	IV-2017
WATERGENPOWER	Hydraulic PP revamping	ACEA	Design	IV-2017
ACOS Spa	Microgeneration PP	AQUARIUM	Plant management	IV-2017
Siemens	SS420kV revamping	E-Distribuzione	Design	I-2018
E.ON	Power plant permitting and compliance	Various	Authorization	I-2018
Barilla Spa	Trigeneration 15W power plant	Barilla Spa	Feasibility Study	II-2018
SIMECO Spa	150kV Substation revamping	SARAS	ABB design supervision	II-2018
Siemens Spa	SS132/20kV	UNARETI	Ancillary plant dimensioning	II-2018
CGT Srl	Revamping 3,5MW cogeneration power plant	Alfatherm Spa	Design	III-2018
Barilla Spa	MV switchgear upgrading	Barilla Spa	Design	III-2018
E-Distribuzione Spa	132/15kV Substation	E-Distribuzione Spa	Design	IV-2018
E.On	3 MW Cogeneration power plant revamping	Piberplast Spa	Feasibility study	IV-2018
E.On	9,4 MW cogeneration power plant	Pirelli industrie pneumatici Srl	Feasibility study	IV-2018
Pirelli Industrie Pneumatici Srl	132/22kV network revamping	Pirelli Industrie Pneumatici Srl	Network study basic design	IV-2018
Covestro Srl	R.I.U.	Covestro Srl	Energy supplier contract	IV-2018
Barilla Spa	Trigeneration 15W power plant	Barilla Spa	Basic design	I-2019
ECOSpray Srl	Biomethane power plant	ECOSpray Srl	Authorization Basic design	I-2019

ENERGY MARKET & SAVING CONSULTANCY				
Customer	Project	Final Customer	Activity	Period
ABB ADDA Spa	Energy saving	BERCO Spa - Ferrara	Energy consultancy	2Q-2002
Direzione Tecnica I.N.P.S. Liguria	Energy saving		Energy consultancy	2Q-2003
AGESETECO Srl	Cogeneration plant management		Energy consultancy	1Q-2004
Az. Agr. Le Tezze	Energy saving activities		Energy consultancy	2Q-2004
A.P.I. Alessandria	Seminar on Energy Saving Technologies - Chairman		Energy consultancy	2Q-2004
RESTIANI SpA	Energy saving activities		TEE	2Q-2005
AGESETECO Srl	Energy saving activities	Comune di Busto Garolfo (MI)	Energy consultancy	3Q-2005
ELVES Italia SpA	Energy saving activities	Gruppo Saint Gobain (MI)	Energy consultancy	4Q-2005
Az. Agr. Podereto	Biogas safety procedure and consultancy activities		Energy consultancy	1Q-2006
ANIMA-ITALCOGEN	"Next Energy" Congress - Relator		Energy consultancy	1Q-2006
REAL Servizi Energia Srl	White Certificates Management		Energy consultancy	4Q-2007
Heat & Power Srl	Cogeneration power plant "Capo Vaticano"	Blue Bay Resort	CTP on lawsuit Customer/PV manufacturer	1Q-2012
ACOS Spa	Monitoring of 18 Photovoltaic power plant		Energy consultancy	3Q-2013
Heat & Power Srl	High performance cogeneration (CAR)		Energy consultancy	3Q-2013
CARIGE	n. 4 Photovoltaic power plants		Due diligence	1Q-2014
SRT Spa	Photovoltaic monitoring		Energy consultancy	2Q-2014
Studio Arecco	Photovoltaic power plant	Molinari	CTP on lawsuit Customer/PV manufacturer	2Q-2015
CESI Srl	Site energy survey – n. 4 Diagnosi Energetica	n. 4 factories	Energy consultancy	3Q-2015
RESTIANI SpA	Site energy survey – n. 4 Diagnosi Energetica	TOTALERG	Energy consultancy	3Q-2015
Alpha Trading Srl	Site energy survey – Diagnosi Energetica		Energy consultancy	3Q-2015
Az. Agr. Viziano	244 kWp photovoltaic power plant		CTP on lawsuit GSE/Customer	3Q-2015
RESTIANI SpA	PPPM for asphalt industry	TOTALERG	Energy consultancy	1Q-2016
CARIGE	5x(7,2)MWp photovoltaic power plants	CARIGE	Due diligence	4Q-2015
RESTIANI SpA	RVP for lighting project	TOTALERG	Energy consultancy	1Q-2016
SRT SpA	Project financing <i>Energy from waste</i>	SRT SpA	Energy consultancy	1Q-2016
ENIPOWER	Photovoltaic power plant	ENIPOWER	CTP on lawsuit Customer/ENI	3Q-2016
Pirelli Spa	New process plant - Slatina	Pirelli Spa	Consultancy	4Q-2017

LONG TERM AGREEMENT

Customer	Project	Activity	Period
ABB Spa	HV/MV/LV engineering	Consultancy & Design	from January, 2004
Azienda Agricola Le Tezze	Green Certificate Management (CV)	Energy consultancy	from January, 2004
Restiani SpA	White Certificates Management (TEE)	Consultancy & Design	from March, 2005
Azienda Agricola Podereto	Green Certificate Management (CV)	Energy consultancy	from January, 2007
Alpha Trading Srl	White Certificate Management (TEE)	Energy consultancy	from January, 2008
Guazzotti Srl	White Certificate Management (TEE)	Energy consultancy	from January, 2009
ACOS Spa	18x(1,3)MWp PV plant	Energy consultancy & site activities	from December, 2012
Heat & Power Srl	2x5MW gas turbine maintenance	Energy consultancy & site activities	from January, 2013
SRT SpA	0,1MWp PV plant 0,7MW Biogas plant	Energy consultancy & site activities	from June, 2014
AZ. Agr. Parodi Srl	4x0,24MWp PV Plant	Energy consultancy & site activities	from July, 2014
Az. Agr. Viziano	1x0,24MWp PV Plant	Energy consultancy & site activities	from August, 2014
Az. Agr. Marchetti Paolo Angelo	1x0,36MWp Biogas plant	Energy consultancy & site activities	from October 2015
Az. Agr. RETORTO Srl	1x1MWp PV plant	Energy consultancy & site activities	from November, 2015
E.On Connecting Energies	Cogeneration power plant	Consultancy, engineering & site activities	from July, 2016
E.On Connecting Energies Italy	Cogeneration Power Plant	Plant management	From September 2017