



ubaldo
nocera

curriculum vitae

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Studio Nocera S.r.l. was born in 2009 as an extension of the activity of Dr. Engr. Ubaldo Nocera, who since 1977 has been involved in designing, supervising, testing, TAB and consulting in the field of mechanical systems and HVAC.



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Studio Nocera S.r.l continues in the field of mechanical and HVAC systems with design, work management, TAB, consulting, energy certification, testing and whole building commissioning. Since its formation, the company has been in business quality management system according to ISO 9001.

CERTIFICATION BODY	TUV ITALIA <i>CERTIFICATE. n. 50 100 3628</i>
REFERENCE STANDARD	UNI EN ISO 9001:2015
LAST RENEWAL	OCT. 2017 - CURRENT CERTIFICATION
CERTIFICATION SCOPE	“Design, work management, balancing (TAB), testing and consulting on technological installations for civil and industrial buildings, whole building commissioning”.

STUDIO NOCERA SRL ORGANIZATION CHART

FOUNDING MEMBERS

Ubaldo
NOCERA Consulting architecture and
dimensioning plant systems, material
specifications
CEO, President
Commissioning Authority

Filippo
BORRINI Technical Director, Designer
Large & Special Buildings

Michele
SANTINI Organization and DWG Production, Computing, Material
Specifications
Residential & Small Buildings

Diletta
NOCERA QMS Manager,
Sales Manager, Business Management, Document
Editing, Meeting Management, Administration, Web and
Communication
Office Coordinator

EXTERNAL COLLABORATORS

QUALIFIED BY STUDY NOCERA
USING SAQ ISO 9001
PROCEDURE

Federico
VICARIOTTO Design Support, Energy Calculations, DWG Production,
Computing

UBALDO NOCERA

PERSONAL INFORMATION

Name Surname	UBALDO NOCERA
E-mail	nocera@studionocerasrl.it
Nationality	Italian
Date of Birth	05 / 26 / 1952

EDUCATION AND TRAINING

1971-1976	
Alma Mater	POLYTECHNIC OF MILAN
Major	ENGINEERING
Degree in	NUCLEAR ENGINEERING
Date of Graduation	12 / 21 / 1976
Commissioning Authority	CURRENT CERTIFICATE COMM 001 BUREAU VERITAS 2015

MEMBERSHIPS

Since 2018	CIBSE <i>The Chartered Institution of Building Services Engineers</i> 222 Balham High Road – London - SW12 9BS - United Kingdom
Renewed 2018 1982 - 2009	A.S.H.R.A.E. Member <i>American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.</i> 1791 Tullie Circle, NE - Atlanta, GA 30329-2305 (USA)
Since 2017	BCxA <i>Building Commissioning Association</i> 1600 NW Compton Drive, Ste. 200 - Beaverton, OR 97006 (USA)
Since 1978	A.I.C.A.R.R. Member <i>Associazione Italiana Condizionamento dell’Aria, Riscaldamento, Refrigerazione</i> via Melchiorre Gioia, 168 – Milano

PUBLICATIONS

- | | |
|------|---|
| 2003 | Air conditioning, heating, refrigeration, March 2003: Systems: commissioning, calibration and balancing. (AUTHOR) |
| 2000 | Air conditioning, heating, refrigeration, February 2000: Testing of aeraulic systems for wellness purposes – part III. (CO-AUTHOR) |
| 2000 | Air conditioning, heating, refrigeration, March 2000: Testing of aeraulic systems for wellness purposes – part IV. (CO-AUTHOR) |
| 2000 | Air conditioning, heating, refrigeration, October 2000: Air conditioning systems for the air quality of bars and restaurants. (AUTHOR) |
| 1999 | Air conditioning, heating, refrigeration, April 1999: Testing of aeraulic systems for wellness purposes – part I. (CO-AUTHOR) |
| 1999 | Air conditioning, heating, refrigeration, April 1999: report on Two interesting technical visits to the Ashrae Chicago Winter Meeting 1999. (CO-AUTHOR) |
| 1999 | Air conditioning, heating, refrigeration, September 1999: Testing of aeraulic systems for wellness purposes – part II. (CO-AUTHOR) |
| 1997 | Air conditioning, heating, refrigeration, May 1997: report on Technical visits to the Winter Meeting Ashrae Philadelphia 1997. (AUTHOR) |
| 1996 | Air conditioning, may 1996: <i>Energy saving and aeraulic networks</i> . (AUTHOR) |
| 1995 | Proceedings of the A.I.C.A.R.R Convention - Bologna 19 th October 1995.
Report on <i>Energy saving and aeraulic networks</i> . (AUTHOR) |

RESPONSABILITIES COMMISSIONS WORK GROUPS

Commissioning Expert at RHEVA / EUROVENT (*Federation of European Heating, Ventilation and Air Conditioning Associations*) since 2017

Elected member of A.I.C.A.R.R. Steering Council (*Associazione Italiana Condizionamento dell'Aria, Riscaldamento e Refrigerazione*) 2017 - ongoing

Elected member of A.I.C.A.R.R. Steering Council (*Associazione Italiana Condizionamento dell'Aria, Riscaldamento e Refrigerazione*) from 1999 to 2004

Member of A.I.C.A.R.R. Executive Committee (*Associazione Italiana Condizionamento dell’Aria, Riscaldamento e Refrigerazione*) from 2002 to 2004

Advisory Group 4 - Italian Thermotechnical Committee, Subcommittee 5 - Proj. UNI standard C.T.I 5-32 ter: *Aeraulic systems for wellness purposes - Rules for testing.*

Advisory Group 4 - Italian Thermotechnical Committee, Subcommittee 5 – Revision of the UNI 10339 standard: *Aeraulic systems for the purposes of wellness- General information, classification and requirements - Rules for the estimate, the offer, the order and the supply*

A.I.C.A.R.R. Advisory Group - Technological Group of the CTS Indoor of the Department of Prevention of the Ministry of Health: *Systems Requirements For Smoking Areas*

Technician appointed Emilia Romagna region in the IACP Technical Commission of the province of Parma from 1983 to 2002 year of termination of the CT.

President of the school commission of the Italian Association of Air Conditioning, Heating and Refrigeration. Three-year period 2002-2004

Scientific technical committee for the 2002 international convention A.I.C.A.R.R. (*Associazione Italiana Condizionamento dell’Aria, Riscaldamento e Refrigerazione*)

Chairman of the Ventilation and IAQ session - A.I.C.A.R.R. - Milan 6-8 March 2002 (*Associazione Italiana Condizionamento dell’Aria, Riscaldamento e Refrigerazione*)

Councilor of the Order of Engineers of the Province of Parma from 1988 to 2005

TENURE

2016-2019	Chairman of A.I.C.A.R.R. Technical Committee - COMMISSIONING
2015 - 2018	Professor A.I.C.A.R.R Training Course – SYSTEM COMMISSIONING
2012	A.I.C.A.R.R. Training Courses - HYGIENE, INSPECTION AND MAINTENANCE OF HVAC SYSTEMS
2008-2009	Specialization and Qualification Course for: <ul style="list-style-type: none"> • HYGENE MANAGER (Category A) • OPERATING STAFF (Category B)

in accordance with the "Guidelines for the definition of technical protocols for predictive maintenance for air conditioning systems" (Ministry of Health - State Agreement-Prov. Regions 10/05/2006 - G.U. 03/11/2006) with particular attention to health facilities -

Professor of:

MEASUREMENT PROCEDURES FOR MONITORING THE AIR CONDITIONING SYSTEM

President of A.I.C.A.R.R. Training Commission

2001-2007

DIRECTOR OF A.I.C.A.R.R. SCHOOL 2001-2007 -

HVAC SYSTEMS - Design, Installation and Testing – Milano, Brescia, Bari, Catania, Roma, Padova, Napoli, Trieste, Bologna.

And also, Professor of:

PS2 Psychometry: foundations and psychometric transformations

PS1 Psychometry and systems: architecture of HVAC systems and air handling units

CA2 Calculation of summer thermal loads

RT1 Calculation, design and construction of aeraulic duct

PR2 Design of air conditioning systems: theory

PR3 Design of air conditioning systems: applications

PR4 Design of mixed air conditioning systems: applications

ES1 Design exercise of heating systems

ES2 Design exercise of air conditioning systems at full air

ES3 Design exercise of mixed air / water conditioning systems

TA1 Testing and measuring instruments

TA2 Testing and balancing laboratory of hydronic networks

TA3 Testing and balancing laboratory of aeraulic networks

Academic Year 2008-2009

Polytechnic of Milan Faculty of Building Engineering - Architecture – Department of Energetics Professor of *BUILDING SERVICES SYSTEM DESIGN*

Academic Year 2008-2009

Polytechnic of Milan Faculty of Civil Architecture – Department of Energetics, Professor of Architectural Design Laboratory 1 - TECHNICAL SYSTEMS

Academic Year 2007-2008

Polytechnic of Milan Faculty of Civil Architecture - Department of Energetics, Professor of TECHNICAL SYSTEMS

Academic Year 2007-2008

Polytechnic of Milan Faculty of Building Engineering - Architecture – Department of Energetics, Professor of *BUILDING SERVICES SYSTEM DESIGN*

Academic Year 2006-2007	Polytechnic of Milan Faculty of Building Engineering - Architecture – Dipartimento di Energetica Professore incaricato di BUILDING SERVICES SYSTEM DESIGN
Academic Year 2006-2007	Polytechnic of Milan Faculty of Civil Architecture – Department of Energetics Professor in charge of TECHNICAL SYSTEMS
Academic Year 2005-2006	Polytechnic of Milan Faculty of Civil Architecture – Department of Energetics Professor in charge of TECHNICAL SYSTEMS
Academic Year 2004-2005	Professor in charge of TECHNICAL SYSTEMS - Polytechnic of Milan Faculty of Civil Architecture – Department of Energetics
July-September 2005	Polytechnic University of Milan Faculty of Engineering – Master's Degree in Construction Management (Management of Construction Process and Construction Sites): professor of HVAC SYSTEMS: TYPES, STARTING PERFORMANCE, TESTING, ADJUSTING, BALANCING.
April - May 2005	Polytechnic of Turin - University Inter-Athenaeum Master's Degree (D.M. 509/1999): professor of MECHANICAL SYSTEMS and TESTING OF PUBLIC WORKS
October 2004	Polytechnic of Turin - University Inter-Athenaeum Master's Degree (D.M. 509/1999): professor of TESTING OF PUBLIC WORKS
May-June 2004	Polytechnic of Milan Engineering Faculty – Master's Degree in Construction Management (Construction and Construction Process Management): professor of HVAC: TYPES, START-UP PERFORMANCE, TESTING, ADJUSTING, BALANCING.
September 2003	Polytechnic University of Milan Engineering Faculty - Master's Degree in Construction Management (Construction and Construction Process Management): professor of HVAC: TYPES, START-UP PERFORMANCE, TESTING, ADJUSTING, BALANCING.
06.30.2003 – 07.01.2003	Valle Giulia Architecture Faculty – Rome – University Master Integrated Property Management Global Service (MGS) MAINTENANCE OF HVAC SYSTEMS

LANGUAGES

First Language	ITALIAN
Other Languages	ENGLISH - FRENCH
Reading Ability	ADVANCED
Writing Ability	ADVANCED
Other Languages	ADVANCED

BUSINESS DIVISIONS

Ubaldo Nocera has performed design, works management, testing and consultancy in the field of technical systems of civil and industrial buildings and he has acquired, as well as high-level design skills in national and international, also considerable experience in the field for continuous contact with construction companies and installation.

This experience, the continuous professional updating with contacts in Italy and abroad, and the acquired qualifications enables Ubaldo Nocera and Studio Nocera s.r.l. to operate on the following levels:

DESIGN

- feasibility studies
- preliminary design
- detail design
- general and special specifications
- technical specifications
- construction design
- plans and manuals for management and maintenance
- tender specifications for management and maintenance management of classic and "global service"

WORK MANAGEMENT AND TESTING

- construction supervision
- assistance and technical advice on the installation
- functional performance tests
- energy analysis
- functional analysis and diagnosis

TESTING ADJUSTING & BALANCING

- TAB (testing, adjusting and Balancing) Testing, balancing of hydronic and aeraulic systems in HVAC systems.

COMMISSIONING

- HVAC Systems commissioning
- Whole building commissioning

ENERGY CERTIFICATION

Energy certification and diagnosis of civil and industrial buildings according to Ministerial Decree 26/6/15

"Adaptation of the Decree of the Minister of Economic Development, June 26, 2009 - National Guidelines for

the Energy Certification of Buildings" and the standards:

- UNI / TS 11300-1: 2014 *"Energy performance of buildings - Part 1: Determination of the thermal energy requirements of the building for summer and winter air conditioning"*
- UNI / TS 11300-2: 2014 *"Energy performance of buildings - Part 2: Determination of primary energy requirements and yields for winter air conditioning, for domestic hot water production, for ventilation and for lighting in non-residential buildings residential "*
- UNI / TS 11300-3: 2010 *"Energy performance of buildings - Part 3: Determination of primary energy requirements and yields for summer air conditioning"*
- UNI / TS 11300-4: 2016 *"Energy performance of buildings - Part 4: Use of renewable energy and other generation methods for winter air conditioning and for the production of domestic hot water"*
- UNI / TS 11300-5: 2016 *"Energy performance of buildings - Part 5: Calculation of primary energy and the share of energy from renewable sources"*
- UNI / TS 11300-6: 2016 *"Energy performance of buildings - Part 6: Determination of energy requirements for elevators, escalators and moving walkways"*

CONSULTANCY

- functional and regulatory checks of projects and works
- technical appraisals
- technical and partisan consulting services

DIDACTIC

- organization and implementation of educational courses and seminars on theoretical and practical subjects

FOCUS PROJECTS

FOCUS PROJECTS DEVELOPED DURING THE PROFESSIONAL ACTIVITY BY DR. ENGR. UBALDO NOCERA

2016 – ONGOING

<u>ACC Scarl</u> TAB SYUPERVISOR COMMISSIONING MANAGER SUPERVISOR FOR GENERAL CONTRACTOR, ENERGY CERTIFICATION, FIRE PREVENTION AMOUNT OF WORKS	NEW OFFICES CARIPARMA CREDIT AGRICOLE - Parma HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving, BMS, geothermal system 88 closed loop probes 220 m. € 3'500'000,00
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2016 – ONGOING

<u>CHIESI FARMACEUICI S.p.A.</u> COMMISSIONING AUTHORITY WHOLE BUILDING ENERGY CERTIFICATION AMOUNT OF WORKS	NEW HEADQUARTER Commissioning authority whole building in phase of pre-design, design, construction, warranty post-construction € 48'000'000,00
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2012 - 2016

<u>CO.SAT scarl</u> SUPERVISION AND COORDINATION TABS MECHANICAL SYSTEMS AMOUNT OF WORKS (base 2012)	FOUR TUSCAN HOSPITALS - PRATO - PISTOIA - LUCCA - MASSA HVAC systems, plumbing, special fire hydrants and sprinklers, domestic hot water production, technical gases, fume hoods, energy saving, cogeneration, BMS € 40'000'000,00
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2009

<u>IKEA S.p.A.</u> ONGOING AND FINAL TESTING AMOUNT OF WORKS (base 2009)	NEW STORE IN SALERNO HVAC, fire, plumbing, domestic hot water consumption, energy saving with solar thermal and photovoltaic € 2'800'000,00
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2008 - 2010

<u>FOUNDATION OF CHILDREN'S HOSPITAL - PARMA</u>	NEW CHILDREN'S HOSPITAL - PARMA
PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT ASSISTANCE - FIRE PREVENTION	HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving
AMOUNT OF WORKS (base 2010)	€ 3'475'000,00

2008 - 2009

<u>US NAVY – ATLANTIC DIVISION</u> DESIGN REVIEW - TESTING ADJUSTING BALANCING	AVIANO BASE - PN - NEW TERMINAL AIR PASSENGERS - HVAC SYSTEMS
AMOUNT OF WORKS (TOTAL)	€ 5'000'000,00

2006- 2007

<u>US NAVY – ATLANTIC DIVISION</u> DESIGN REVIEW - TESTING ADJUSTING BALANCING	AVIANO BASE - PN - NEW MAF BUILDING - MUNITIONS ADMINISTRATION FACILITIES - HVAC SYSTEMS
AMOUNT OF WORKS (TOTAL)	€ 4'000'000,00

2006 - 2009

<u>IM.CO. MILANO</u>	HOTEL ACCOMMODATION STRUCTURE AND CENTER FOR PHYSICAL WELLNESS VIA EMILIA WEST - PARMA
PRELIMINARY, DETAIL DESIGN	HVAC, fire prevention, plumbing, domestic hot water consumption, energy saving. ENERGY PRODUCTION, COOLING AND HEATING FROM GEOTHERMAL SOURCE OPEN LOOP, PHOTOVOLTAIC, HEAT PUMPS, HIGH COP, FREE HEATING WITH SOLAR GREENHOUSE
AMOUNT OF WORKS (base 2008)	€ 3'500'000,00

2006 - 2008

<u>FINANCIAL BOLOGNA METROPOLITAN</u>	UNIVERSITY OF THE STUDIES OF BOLOGNA - INSTALLATION OF THE FACULTY OF ENGINEERING IN THE BERTALIA LAZZARETTO AREA - DEPARTMENT BUILDING DIEM DIENCA - BUILDINGS AULA MAGNA PRESIDENCY LIBRARY – DINING HALL BUILDINGS AND STUDENTS ACTIVITIES DEPARTMENTS DAPT DISTART
PRELIMINARY, DETAIL DESIGN	HVAC, plumbing and fire-fighting systems, building automation system, solar thermal systems
AMOUNT OF WORKS (base 2006)	€ 12'700'000,00

2005 - 2010

<u>GALOTTI S.p.A.</u>	BUSINESS PARK COMPLEX OF EIGHT BUILDINGS FOR OFFICE USE
DETAIL DESIGN, PROJECT MANAGEMENT	HVAC, plumbing, fire systems, energy modelization, BUILDINGS IN ENERGY CLASS B
AMOUNT OF WORKS (base 2005)	€ 7'747'000,00

2005 - 2008

<u>U.S.L. COMPANY CITY OF BOLOGNA</u>	EXTENSION OF HOSPITAL BUILDING IN THE COMPLEX OF THE BOLOGNA HOSPITAL
FINAL TESTING	HVAC, fire-fighting systems, plumbing, domestic hot water production, medical gases, energy saving
AMOUNT OF WORKS (base 2005)	€ 8'805'000,00

2005 - 2007

<u>POMELLATO S.P.A.</u>	BUILDING DESTINED GOLD PLANT WITH ANNEXED SERVICES AND OFFICES IN MILAN VIA NEERA
PRELIMINARY DETAIL DESIGN, PROJECT MANAGEMENT	HVAC, fire prevention, plumbing, domestic hot water consumption, energy saving
AMOUNT OF WORKS (base 2005)	€ 1'300'000,00

2005 - 2007	
<u>GALOTTI S.P.A.</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT	BUILDING DESTINED AT OFFICES IN MILAN, VIALE CASSALA HVAC, fire prevention, plumbing, domestic hot water consumption, energy saving
AMOUNT OF WORKS (base 2005)	€ 2'315'000,00
2004 - 2005	
<u>US NAVY – ATLANTIC DIVISION</u> DESIGN REVIEW - TESTING ADJUSTING BALANCING	BASE OF CAPODICHINO - NAPLES - NEW BACHELOR BUILDING ENLISTED QUARTERS III - HVAC SYSTEMS
AMOUNT OF WORKS (TOTAL)	€ 4'500'000,00
2004 - 2005	
<u>MINISTRY OF TRANSPORT AND INFRASTRUCTURE</u> PRELIMINARY, DETAIL DESIGN	UNIVERSITY OF PARMA - COMPLEX EX CONVENT AND CHURCH OF S. FRANCESCO DI VIA D'AZEGLIO Installations, HVAC, fire prevention, plumbing, domestic hot water consumption, energy saving
AMOUNT OF WORKS (base 2004)	€ 700'000
2003 - 2004	
<u>GALOTTI S.P.A.</u> CONSTRUCTION SUPERVISION	TWO BUILDINGS TO DESTINATION OFFICES AND COMMERCIAL FOR TOTAL 35,000 M2 Installations, HVAC, fire prevention, plumbing, domestic hot water consumption, energy saving
AMOUNT OF WORKS (base 2004)	€ 5'164'000,00

2002 - 2004

<p><u>BARILLA S.P.A.</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2003)</p>	<p>NEW PLANT OF CREMONA Systems of:</p> <ul style="list-style-type: none"> • HVAC production departments and office areas • ESFR sprinkler with STANDARD NFPA 13, 20, 231, 231C and FM 2.2 -UL material - Approval soc. MARSH insurance broking and risk management. • Plumbing, domestic hot water consumption • Water treatment - filtration, softening and osmosis by department • clean steam production and generation • Process steam production and distribution • Production and distribution of chilled water and freezing water for production departments • Production and distribution of chilled water for HVAC • Production and distribution of compressed air for production department • Production and distribution of hot water for production department • Production and distribution of hot water for HVAC • Energy saving • Fire compliance <p>€ 4'000'000</p>
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2002 - 2003

<p><u>US NAVY – ATLANTIC DIVISION</u></p> <p>DESIGN REVIEW - TESTING ADJUSTING BALANCING</p> <p>AMOUNT OF WORKS (TOTAL)</p>	<p>BASE OF CAPODICHINO - NAPLES - NEW TERMINAL AIR PASSENGERS HVAC SYSTEMS</p> <p>€ 5'000'000,00</p>
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2000 - 2006

<p><u>UNIVERSITY OF PARMA</u> PRELIMINARY, DETAIL DESIGN</p> <p>AMOUNT OF WORKS (base 2006)</p>	<p>UNIVERSITY RESTORATION OF THE EX CONVENT VIA D'AZEGLIO Installations, HVAC, fire protection, plumbing, domestic hot water consumption, energy saving - fire resistance.</p> <p>€ 1'200'000</p>
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2000 - 2001

<p><u>US NAVY – ATLANTIC DIVISION</u></p> <p>DESIGN REVIEW - TESTING ADJUSTING BALANCING</p> <p>AMOUNT OF WORKS (TOTAL)</p>	<p>CAPODICHINO BASE - NAPLES - NEW TERMINAL AIR CARGO HVAC SYSTEMS</p> <p>€ 3'000'000,00</p>
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SIGNIFICANT PROFESSIONAL PROJECTS CURATED BY STUDIO NOCERA SRL

2017 – ONGOING

<p><u>FERRARI SPA</u> DETAIL DESIGN, ASSISTANCE TO WORK MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2017)</p>	<p>NEW ENGINE / HYBRID DEVELOPMENT POLO FERRARI GT- MARANELLO Heating / air-conditioning, hydro-sanitary, gas-methane plant, sewerage, black and white water, photovoltaic and solar thermal plant, fire hydrants and sprinklers.</p> <p>(usable area m2 10'000) € 9'000'000,00</p>
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2017 – ONGOING

<p><u>ELLE14 - SRL</u> PRELIMINARY, DETAIL, PROJECT MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2017)</p>	<p>NEW SHOPPING CENTER DA VINCI VILLAGE - FIUMICINO HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving, BMS</p> <p>(usable area m2 22'000) € 2'700'000,00</p>
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2017 – ONGOING

<p><u>SHOPVILLE GRANRENO - SRL</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2017)</p>	<p>EXPANSION AND RESTRUCTURING SHOPVILLE SHOPPING CENTER HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving, BMS, SEFFC (forced evacuation of smoke and heat)</p> <p>(usable area m2 30'000) € 9'00'000,00</p>
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2017 – ONGOING

<p><u>KLEPIERRE ITALIA</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2017)</p>	<p>MILANOFIORI SHOPPING CENTER - ASSAGO Revamping HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, BMS</p> <p>€ 6'000'000,00</p>
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2017

<u>FIERE DI BOLOGNA</u>	PIPING EXTENSION FOR DISTRICT HEATING AND DISPLAY OF THE EXHIBITION PAVILIONS
PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT	Overheated water nets (DN 150) and refrigerated water (DN500)
AMOUNT OF WORKS (base 2011)	€ 1'200'000,00

2017

<u>FIERE DI BOLOGNA</u>	RECONSTRUCTION OF EXHIBITION HALLS 29 AND 30, MALL AND POLIFUNCTION BODY
PRELIMINARY AND DETAIL DESIGN	HVAC, fire hydrants, plumbing, domestic hot water consumption, waste water and meteoric, technical gas, COMPRESSED AIR (10'000 L / min), energy saving, BMS
AMOUNT OF WORKS (base 2017)	(usable area m2 32'000) € 7'600'000,00

2016 -2017

<u>PIZZAROTTI SpA</u>	NEW PARMA URBAN DISTRICT SHOPPING CENTER
PRELIMINARY AND DETAIL DESIGN	HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving, BMS, SEFFC (forced evacuation of smoke and heat)
AMOUNT OF WORKS (base 2016)	(usable area m2 80'000) € 15'000'000,00

2012-2017

<u>POLITECNICO DI MILANO</u>	BUILDING FOR INTEGRATED LABORATORIES OF NUCLEAR ENGINEERING AND CHEMICAL ENGINEERING TECHNOLOGIES AND RADIATION FOR THE ENERGY DEPARTMENT - BOVISA CAMPUS - LA MASA CAMPUS
TECHNOLOGICAL TESTING MECHANICAL SYSTEMS	HVAC systems, special air-conditioning fire hydrants and sprinklers, plumbing, domestic hot water consumption, technical gas, fume hoods, energy saving.
AMOUNT OF WORKS (base 2012)	€ 2'822'060,60

2015 - 2016

<u>FIUMARANUOVA SrL</u>	REFURBISHMENT FIUMARA CENTER - GENOVA
PRELIMINARY, DETAIL DESIGN	HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption
AMOUNT OF WORKS (base 2015)	€ 400'000,00

2015 – ONGOING

<p><u>BRACCO REAL ESTATE S.R.L.</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2015)</p>	<p>NEW CIVIC THEATER ROBERTO DE SILVA VIA CASTELLI FIORENZA - RHO (MI) HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption</p> <p>€ 1'800'000,00</p>
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2014 – 2016

<p><u>CENTRO DIAGNOSTICO ITALIANO SPA</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT</p> <p>AMOUNT OF WORKS (base 2015)</p>	<p>SPECIALIZED POLIAMBULATORY and BLOOD SAMPLE LABORATORY - P.zza Gae Aulenti, 4 - Milan HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption</p> <p>€ 400'000,00</p>
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2013 – 2014

<p><u>CHIESI FARMACEUTICI SPA</u> PRELIMINARY, DETAIL DESIGN, ASSEMBLY ASSISTANCE</p> <p>AMOUNT BASE (base 2013)</p>	<p>FINISHED PRODUCT STORE - FONTEVIVO Climate controlled system</p> <p>€ 400'000,00</p>
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2012 - 2013

<p><u>AZIENDA U.S.L. CITTA' DI BOLOGNA</u> TECHNOLOGICAL TESTING MECHANICAL SYSTEMS</p> <p>AMOUNT OF WORKS (base 2012)</p>	<p>COMPLETION OF HOSPITAL BUILDING - TWO PLANS OF OPERATING ROOMS AND A PLAN OF INTENSIVE THERAPIES - IN THE COMPLEX OF THE BOLOGNA MAGGIORE HOSPITAL Air-conditioning, fire-fighting systems, plumbing, domestic hot water consumption, medical gases, energy saving</p> <p>€ 1'500'000,00</p>
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2012 -2013

<p><u>CRIF - BOLOGNA</u> TECHNOLOGICAL TESTING MECHANICAL SYSTEMS</p> <p>AMOUNT OF WORKS (base 2012)</p>	<p>NEW OFFICE BUILDING IN VIA ZANARDI HVAC systems, fire hydrants, plumbing, domestic hot water consumption, energy saving.</p> <p>€ 700'000,00</p>
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2011-2012

<p><u>CORIO ITALIA</u> PRELIMINARY, DETAIL DESIGN</p>	<p>RECOVERY AND RENOVATION OF PALAZZO DEL LAVORO TURIN - KNOWN AS NERVI PALACE WITH A NEW UNCHANGED PARKING HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving.</p>
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AMOUNT OF WORKS (base 2011)	€ 7'000'000,00
2011-2012	
<u>CHIESI FARMACEUICI S.p.A.</u> COMMISSIONING AGENT, ENERGY CERTIFICATION	NEW PHARMACEUTICAL RESEARCH CENTER IN THE MUNICIPALITY OF PARMA TO DESTINATION RESEARCH, DIRECTIONAL, UTILITIES LABORATORIES Advice on the application of the rules on the containment of energy consumption and energy certification: 1. Preliminary simulation of the energy certification AND ADVICE ON THE EVALUATION OF ENERGY SAVINGS WITH INTERVENTIONS ON THE INVOLVEMENT AND USE OF RENEWABLE SOURCES 2. Energy certification according to the EMILIA ROMAGNA region standard.
AMOUNT OF WORKS	€ 15'000'000
2011	
<u>CUALBU S.p.A.</u> PRELIMINARY AND DETAIL DESIGN	MULTIPLEX LOCATED IN TENUTELLA, CATANIA HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving. Cooling plant with a capacity of 8500 kW.
AMOUNT OF WORKS (base 2011)	€ 800'000,00
2010-2011	
<u>CUALBU S.p.A.</u> PRELIMINARY AND DETAIL DESIGN	NEW SHOPPING CENTER WITH AN INTERESSED PARKING LOCATION IN TENUTELLA - CATANIA HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving. Cooling system with a capacity of 8500 kW.
AMOUNT OF WORKS (base 2010)	€ 6'000'000,00
2010 - 2012	
<u>GALOTTI S.p.A.</u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT	COMPLEX 250 HOUSES MERIDIANA LOCATED IN CASALECCHIO DI RENO HVAC, fire prevention, plumbing, domestic hot water consumption with solar thermal system, energy saving BUILDINGS IN ENERGY CLASS A - HIGH PERFORMANCE COGENERATION PLANT
AMOUNT OF WORKS (base 2010)	€ 6'600'000,00
2010 - 2012	
<u>IN PARTNER SpA - GALOTTI S.p.A.</u>	BUILDING COMPLEX IN THE MUNICIPALITY OF MILAN VIA SANTANDER DIRECTIONAL DESTINATION - ARCHITECTURAL DESIGN BY MARIO CUCCINELLA ARCHITECTS

COMMISSIONING AGENT, ENERGY CERTIFICATION	Commissioning Agent in the design and execution phase with supervision and validation of the executive design activities related to the energy and savings aspects in terms of consumption SOLAR PHOTOVOLTAIC RENEWABLE SOURCES
AMOUNT OF WORKS (base 2009)	€ 4'000'000
2009-2012	
<u><i>GALOTTI S.p.A.</i></u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT	COMPLEX 350 CASTELMAGGIORE ACCOMMODATIONS - BOLOGNA HVAC, fire prevention, plumbing, domestic hot water consumption, energy saving BUILDINGS IN ENERGY CLASS A with connection to a district heating network powered by urban wastewater
AMOUNT OF WORKS (base 2009)	€ 6'000'000,00
2009 - 2011	
<u><i>MILANOFIORI 2000</i></u> ENERGY CONSUMPTION, ENERGY CERTIFICATION	MILANOFIORI COMPLEX IN THE MUNICIPALITY OF ASSAGO TO COMMERCIAL, RESIDENTIAL, FITNESS, CINEMA THEATER, HOTEL, LARGE SALES FACILITIES Advice on the application of the rules on the containment of energy consumption and energy certification: <ol style="list-style-type: none"> 1. Preliminary simulation of the energy certification AND ADVICE ON THE EVALUATION OF ENERGY SAVINGS WITH INTERVENTIONS ON THE INVOLVEMENT AND USE OF RENEWABLE SOURCES 2. Energy certification according to the LOMBARDIA region standard (CENED) NOT DEFINED - THE INTERVENTION RELATES TO A SLP OF 200,000 (two hundred thousand) m2
AMOUNT OF WORKS (base 2009)	
2009-2010	
<u><i>GESPAR S.p.A.</i></u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT ASSISTANCE	NEW ADMINISTRATIVE BUILDING WITH AN INTERRATED PARKING ANNEX ON VIA KENNEDY - PARMA HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving. Fire compliance.
AMOUNT OF WORKS (base 2010)	€ 600'000,00
2009-2012	
<u><i>CESI SPA</i></u> PRELIMINARY, DETAIL DESIGN, PROJECT MANAGEMENT ASSISTANCE	CONTRACT OF INTEGRATED WORKS - COMPANY PUBLIC TRANSPORT - ATC BOLOGNA EXPANSION WORKSHOP DEPOSITED VIA TWO MADONNAS 10 - NEW DEPOSIT VIA FERRARESE - PALAZZINA SERVIZI HVAC systems, fire hydrants, sanitary water, domestic hot water consumption, methane, compressed air, energy saving.
AMOUNT OF WORKS	€ 1'600'000,00

(base 2010)

2009-2010

FIERE DI PARMA

REQUALIFICATION AND EXTENSION OF THE NEW FIELD QUARTER - NEW SOUTH ENTRANCE

**PRELIMINARY, DETAIL DESIGN,
PROJECT MANAGEMENT
ASSISTANCE**

HVAC systems, fire hydrants and sprinklers, plumbing, domestic hot water consumption, energy saving. Fire compliance.

AMOUNT OF WORKS
(base 2010)

€ 1'250'000,00