

C U R R I C U L U M

S T U D I O D I
I N G E G N E R I A
I S O L A . B O A S S O
e
A S S O C I A T I

corso Prestinari 86
13100 VERCELLI
t. +390161215214



PROFESSIONAL CURRICULUM



STUDIO D'INGEGNERIA ISOLA BOASSO & ASSOCIATI Srl

Mr. ISOLA LORENZO – Mr. ISOLA RICCARDO – Mr. BOASSO PAOLO –

Mr. RABAGLIO FABRIZIO ENGINEERS

Corso Marcello Prestinari, n. 86 – 13100 VERCELLI

TEL. 0161-215214 – FAX 0161-215456

e-mail: isolaboasso@email.it

VAT nr.: 02262240027

COMPANY PRESENTATION

"Studio di Ingegneria Isola-Boasso & Associati" works in the public and private architecture and building industry.

In particular the company carries out projects related to historic and monumental buildings, residential housing, hospitals, sports facilities, as well as to public territorial infrastructures such as hydraulic, road and energy works.

The following brief reviews illustrate the most important work experiences of the Group in three main fields of activity:

- Design and works management of aqueducts, sewer systems and networks, river bed planning, waste water treatment systems and conditioning systems;
- Territorial hydraulic and road infrastructures
- Civil engineering and interior design
- Energy from alternative sources and industrial areas

The company, was established in 1959. The operating office has its headquarters in Vercelli, corso Marcello Prestinari n. 86.

The technical staff operating presents a high professional standard and has developed a long and valuable expertise further to many years of profitable teamwork. The staff consists of master graduates-senior level (more than 10 years of seniority), master graduates-junior level, qualified technical staff and employees.

The quality of the service offered by 'Studio di Ingegneria Associato Mr. Isola Lorenzo, Mr. Isola Riccardo, Mr. Boasso Paolo, engineers' is enhanced by the high level of expertise of a number of

members of the team working permanently for the company.

The group carries out a great number of exhaustive research and development activities jointly with Italian Universities and in particular with the Applied-Science Faculties of Turin where Mr. Riccardo Isola is professor since 1999.

Engineering activities of 'Studio di Ingegneria Associato Mr. Isola Lorenzo, Mr. Isola Riccardo, Mr. Boasso Paolo, engineers', given its highly specialized permanent staff, are thoroughly carried out by internal personnel .

Among all activities structural, geotechnical and hydraulic engineering are the sectors where the company reaches excellence.

The design and the building sites management activities carried out by our company meet the production system quality and efficiency criteria required by the quality standard UNI EN ISO 9001.

In fact the company is qualified according to the corporate quality system compliant with the standards UNI EN ISO 9001:2008.

The current partners and directors are:

- ISOLA LORENZO
- ISOLA RICCARDO
- BOASSO PAOLO
- RABAGLIO FABRIZIO

Owners

- *Mr. Isola Lorenzo, engineer*

He was born in Vercelli on 10th October 1929, where he lives.

He got his degree in civil engineering at the University of Genoa in 1959; he obtained the professional qualification to practice during the first session of the year 1959; he enrolled in the engineer register of the Province of Vercelli in 1959 (nr. 246).

He has been working as a professional since 1959, dealing with the design and management of public and private works:

- Director Of Saint Andrea Hospital, in Vercelli, from 1965 to 1970;
- Consultant of the Engineer register of the Province of Vercelli, from 1968 to 1972;
- President of the Engineer register of the Province of Vercelli, during these two-years periods: 1972-1974; 1976-1978; 1980-1982;
- Vice President of the Engineer register of the Province of Vercelli during these two- years periods: 1974-1976; 1978-1980;
- INARCASSA Delegate for the Engineers of the Province of Vercelli, from 1990 to the present day;
- President of the Tributary Commission for Evaluation of the Province of Vercelli from 1968 to 1972;
- Member of the Tributary Commission (II Level) of the Province of Vercelli from 1972 to 1996;
- Member of the Tributary Commission of Piedmont from 1996 to 2004;
- 1995 First Refresher Course about the activities of technical advisers, experienced experts, and about constructions arbitrate for the Polytechnic University of Milan –Building Engineering and Territorial Systems Department;
- 1998 Course in traditional Arbitrate and general Arbitrate at A.S.F.I.M. Azienda Speciale della Camera di Commercio di Vercelli (Special Department of Chamber of Commerce of Vercelli)

- *Mr. Isola Riccardo, engineer*

He was born in Vercelli on 10th February 1963, where he lives.

He got his degree in hydraulic engineering (systems sector) at the Polytechnic University of Milan in December 1988; he obtained the professional qualification to practice during the first session of the year 1989, he enrolled in the engineer register of the Province of Vercelli in 1989 (n. 795).

He has been working as a professional since 1989, dealing with the design and management of public and private works.

He was the project leader of aqueduct of Maghnia (ALGERIA) during 2003, 2004 and 2005, the project leader of the drinking water feeding system of Skikda (ALGERIA), during 2007 and 2008, and he is currently the project leader of the aqueduct of Cap Djinet (ALGERIA), performed on behalf of SOCIETA' ITALIANA CONDOTTE D'ACQUA SPA.

Academic activity

- Contract professor of “Hydraulic infrastructures I” during the academic year 2010-2011 at the Polytechnic University of Turin, second faculty of Engineering of Vercelli;
- Contract professor of “Hydraulic infrastructures II” during the academic years 2001-2002, 2002-2003, 2003-2004, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010 at the Polytechnic University of Turin, second faculty of Engineering of Vercelli;
- Years 1995/96, 1996/97, 1997/98, 1998/99 and 1999/00: assistant during “Hydraulic infrastructures” exercises at the faculty of Engineering of Vercelli;
- Year 1996/97: assistant during experimental “Hydraulics” exercises at the faculty of Engineering of Vercelli;
- Year 2001: teaching assistant in “Special hydraulic systems” at the faculty of Engineering of Vercelli;
- Year 2002: teaching assistant in “Special hydraulic systems” at the faculty of Engineering of Vercelli;
- Year 2002: Three seminars in “hydraulic constructions” at the faculty of Engineering of Vercelli;
- Year 2006: Polytechnic University of Turin - teaching assistant during a series of lessons in English on the subject “Case Study: Implementazione di un progetto” (Case study: implementation of a project) organized by HYDROAID together with the Centro Internazionale di Formazione dell’Organizzazione Internazionale del Lavoro (CIF OIL) (International training centre of the International labour organization ITC ILO).

Post-degree courses

- Year 1990: 37th refresher course of sanitary engineering “Inquadramento e protezione dell’ambiente: fenomenologia e prevenzione” (Establishment and protection of the environment: phenomenology and prevention) (at the Hydraulic institute of the Polytechnic University of Milan);
- Year 1990: 7th refresher course in sewer system engineering (at the Hydraulic institute of the Polytechnic University of Milan);
- Year 1992: refresher course “Progettazione e gestione degli acquedotti”, (Aqueduct design and management) (at the Hydraulic institute of the Polytechnic University of Milan);
- Year 1994: C.T.E. refresher course “Calcolo automatico nell’ingegneria strutturale tecniche, norme, controllo risultati” (Automatic calculation in structural engineering: techniques, standards and result control);
- Year 1994: refresher course “Eurocodice 2 - UNI ENU 1992 - 1- 1 Progettazione di strutture in c.a. e c.a.p.” (Eurocode 2 – UNI ENU 1992 – 1 – 1 Design of structures made of reinforced concrete and prestressed reinforced concrete) (at the faculty of Engineering of the University of Genoa);
- Year 1994: C.T.E. refresher course “Recepimento degli Eurocodici nella normativa nazionale” (Implementation of Eurocodes in national standards);

- Year 1994: refresher course “Architettura e tecnologia dell’edilizia con struttura in acciaio” (Architecture and building technology with steel structures) (at the faculty of Engineering of the Polytechnic University of Turin);
- Year 1995: refresher course “Moderni criteri per la sistemazione degli alvei fluviali” (Modern criteria for river bed planning) (at the Hydraulic institute of the Polytechnic University of Milan).
- Year 1996: C.T.E. refresher course “Calcestruzzi ed armature ad alte prestazioni. Sperimentazione e nuove Normative” (High-performance types of concrete and reinforcements. Trials and new standards);
- Year 1996: specialized course in fire prevention (art.5 M.D. 25th March 1985) - qualification test passed;
- Year 1997: Course in hydraulic check and management of the draining systems and sewer checks with SOCS programme (Simulation of Channel System) – Pavia;
- Year 1997: Course in Yard directive Leg. decree 494/1996 (Course lasting 120 hours);
- Year 1998: GIS Course: Basic digital mapping and planning by using ArcInfo and ArcView standards;
- Year 1999: Course in delimitation of wetlands by using the Frescure calculation code – Pavia;
- Year 2000: refresher seminar to use the FRESCURE calculation code – Pavia;
- Year 2000: Polytechnic University of Milan – Refresher course of the Permanent education programme: “La Progettazione della difesa idraulica del territorio attraverso interventi di laminazione controllata delle piene fluviali” (Planning of the hydraulic protection of the territory through the controlled overflow of floods);
- Year 2001: Terra DIIAR, Polytechnic University of Milan – Refresher course: “I Geosintetici: applicazioni, metodi di calcolo, costruzione” (Geosynthetics: applications, calculation methods and construction);
- Year 2001: specialised refresher course in Hec-Ras software – Capannori (LU);
- Year 2002: Polytechnic University of Turin - Refresher course “Trasporto solido e colate idriche. Aspetti teorici e applicativi” (Sediment transport and water flow. Technical and application aspects);
- Year 2004: University of Mantova – attendance at the course “I problemi di flusso e di trasporto negli acquiferi risolti con Groundwater Vistas 4” (The problems linked to flow and transport in aquifers solved with Groundwater Vistas 4);
- Year 2007: Centro Studi Idraulica Urbana (Centre for urban hydraulic studies) at the Polytechnic University of Milan – attendance at the course “Sistemi e Tecnologie avanzate per il drenaggio Idraulico Urbano Moderno (STADIUM)” (Advanced Systems and technologies for modern urban hydraulic drainage);
- Year 2009: Refresher course: D.lgs. 81/2008 – “Sicurezza nei luoghi di lavoro” (Safety and Health requirements for the workplace).

Collateral activities

- Year 2003: Member of the Quarry Commission for the Province of Vercelli;
- Year 2004: Member of the Evaluation board to select the promoter of the 'Projet Financing' to create and manage a district heating system with its technology centre - Municipality of Acqui Terme;
- Year 2006: Member of the board "Istituzione dei Servizi Culturali dello Sport e delle Manifestazioni denominata "Vercelli e i suoi eventi" (Creation of cultural services linked to sport and events called "Vercelli and its events") – Municipality of Vercelli.

- Mr. Paolo Boasso, engineer

He was born in Vercelli on 24th March 1959, where he lives in Via Dante 92.

He got his degree in civil engineering at the Polytechnic University of Turin on 21st February 1984 with a final mark of 110 cum laude, and he passed his state examination in 1984; he enrolled in the engineer register of the Province of Vercelli on 13th September 1984 (n.689).

He has been working as a professional since 1987, dealing with the design and management of public and private works.

Among his most important refresher courses, we can find:

- year 1999: refresher course of the Polytechnic University of Milan, "Ponti e viadotti: concezione, progetto, analisi, gestione" (Bridges and viaducts: planning, project, analysis and management);
- year 2004: refresher course of the Polytechnic University of Turin, "Corso di aggiornamento sulla normativa antisismica – ordinanza 2003" (Refresher course in aseismic regulations – decree 2003).

- Mr. Fabrizio Rabaglio, engineer

He was born in Gattinara on 10th July 1975, where he lives.

He got his degree in civil engineering at the Polytechnic University of Turin in October 1999, Second Faculty of Engineering, Vercelli, and he passed his state examination in 1999, he enrolled in the engineer register of the Province of Vercelli in 2000 (n.988).

Besides the activities he dealt with, before his degree, he achieved a collaborating experience with Associazione di Irrigazione Ovest Sesia (West Sesia Irrigation Association), where he projected to the final design and/or restructurated dams in the field of study of the Irriguous Territory of the Associazione), the participation with the Test Laboratories Tecno Piemonte s.r.l. of Romagnano Sesia to the workshop about the new European Directive 89/106/EEC focused on construction products (at the European Community in Bruxelles and at ICITE – CNR in Milan).

The main refresher courses he attended, deal with Methodologies to map the hydrogeological risk in conoid area – Debris flow: Mathematic models and numerical aspects (1999 - Sala Pirelli – Regione Lombardia), Rain waters (2005 e 2006 – Genoa), and the use of hydraulic specifical programs (Arcview, Hec-Ras, Eraclito, GMS 4.0, Hec-HMS, Urbis, SWMM, SOCS, Surfer, RAP, Flea, Frescure).

He is now project Manager of the acqueduct of Douaouda-Fouka (ALGERIA), performed on behalf of C.M.C. - Ravenna.

Employees and consultants

- **Geom. Deambrogio Michela** – *employee*: secretary and *assurance quality manager*
- **Dott. Arch. Pozzo Marco** – *consultant*: architectural consultant with contract of continuous collaboration; expert in architectural modeling and rendering.
- **Dott. Ing. Bezzon Marco** – *employee*: coordinator structural planning; expert in modeling and structural analysis.
- **Dott. Ing. Marchiori Davide** – *consultant*: structural planning.
- **Dott. Ing. Ferrarotti Alberto** – *consultant*: structural planning.
- **Dott. Ing. Gagliardi Eloisa** – *consultant*: architectural and structural planning.
- **Dott. Ing. Radice Roberta** – *consultant*: hydraulic planning.
- **Dott. Ing. Spina Nicola** – *employee*: hydraulic planning, territorial hydraulic, and analysis with GIS systems.
- **Geom. Zarpellon Gianni** – *employee*: architectural and structural planning, metric calculations and cost accounting.
- **Geom. Bove Francesco** – *draftsman*
- **Geom. Tambone Francesco** – *draftsman*
- **Geom. Lami Henxhi** – *draftsman*

Technology used

The fixed equipments of the study consists of 15 job stations, with relative peripheral and installations software.

Hardware

- 15 personal computers, netbooks and notebooks, connected locally online through server
- 5 printers, A4 and A3, laser printers and inkjet technology printers, black-white and colours
- 2 plotters, A0
- scanner A4 and A3
- router for net connection, internet ADSL

Software

- operational systems type Windows, complete of office package, including Word, Excel, Power Point, Project, ecc.
- drawing programs type Autocad, versions 2000-2009, with 3D modeler, All Plan 2006
- Territorial management program Arc View Gis
- Programs of metric calculations and cost accounting, ACCA Primus
- Specialistic programs for structures: Modest, Xfinest, Sap, Midas and others for specific computing.
- Specialistic programs for road modeling: Antares
- Specialistic programs for hydraulic modeling: Hec-Ras, Eraclito, GMS 4.0, Hec-HMS, Urbis, SWMM, SOCS, Surfer, RAP, Flea, Frescure, Hammer.
- Specialistic programs for hydraulic nets: Eraclito
- Filter program g.m.s. 4.0
- Groundwater Vistas 4 (for problems of flow and transport in aquifers)

2. Professional activities

A concise curriculum about the main professional activities of the company will be enclosed in succession, subdivided in these chapters:

- Design and works management of aqueducts, sewer systems, river bed planning, waste water treatment systems and conditioning systems;
- Renovation of sewers networks, and aqueducts systems of Municipalities, also linked to the purification system and the tanks of the municipal aqueduct;
- Consolidated experience in the field of hydrologic and hydraulic studies dealing with riverside checks, as well as with the hydraulic and hydrologic compatibility checks set by the regulations provided by the Basin Authority.
- Design and supervision of construction done within private and public housing, schools, industries and structural engineering;
- Design and supervision of construction done within hydraulic engineering;
- Design and supervision of construction done within civil engineering (roads and bridges in particular).

It's also possible to consult a more detailed curriculum about the company drawn up according to tables G and H of Merloni Law.

2.1 Main purchaser

MUNICIPALITIES

MUNICIPALITY OF ARENA PO (PV)

MUNICIPALITY OF BENNA (BI)

MUNICIPALITY OF BIELLA (BI)

MUNICIPALITY OF BURONZO (VC)

MUNICIPALITY OF CANDELO (BI)

MUNICIPALITY OF CASALE M.TO (AL)

MUNICIPALITY OF GATTINARA (VC)

MUNICIPALITY OF IVREA (TO)

MUNICIPALITY OF LINAROLO (PV)

MUNICIPALITY OF MOLINELLA (BO)

MUNICIPALITY OF MONTEROSSO AL MARE (SP)

MUNICIPALITY OF NOVARA

MUNICIPALITY OF ROMAGNANO (NO)

MUNICIPALITY OF RONCO BIELLESE (BI)

MUNICIPALITY OF SANTHIA' (VC)

MUNICIPALITY OF SOMAGLIA (LO)

MUNICIPALITY OF VERRONE (BI)

MUNICIPALITY OF VERCELLI

PROVINCIAL ADMINISTRATIONS

PROVINCIAL ADMINISTRATION OF BIELLA

PROVINCIAL ADMINISTRATION OF NOVARA

PROVINCIAL ADMINISTRATION OF TORINO

PROVINCIAL ADMINISTRATION OF VERCELLI

PROVINCIAL ADMINISTRATION OF VERBANO CUSIO OSSOLA

REGIONS

REGION OF LAZIO

PUBLIC CORPORATIONS

ASL N. 13 -VERCELLI

ASL N. 11- NOVARA

AZIENDA SANITARIA LOCALE DI PIACENZA-

ANAS - TORINO

ATO 5 – BOLOGNA

ATO2 – VERCELLI

ATENA SPA- VERCELLI

AZIENDA RISORSE IDRICHE DI NAPOLI – ARIN SPA (NAPOLI)

CORDAR SPA (BIELLA)

COSER BASSA VERCELLESE (VERCELLI)

FONDAZIONE SALVATORE MAUGERI (PAVIA)

ITALFERR SPA

MAGISTRATO PER IL PO- PARMA (ATTUALE AIPO)

MINISTERO DEI LAVORI PUBBLICI

MONTEROSA 2000 (ALAGNA VALSESIA –VERCELLI)

OPERA PIA CROCETTA- TORINO

OPERA PIA LOTTERI-TORINO

POLITECNICO DI TORINO (TO)

SERVIZIO IDRICO NOVARESE – SIN & Ve Srl (NOVARA)

TERRITORIAL ASSOCIATIONS IN A MOUNTAIN REGION

TERRITORIAL ASSOCIATION OF VALSESIA

TERRITORIAL ASSOCIATION OF VALLE CERVO

CONSORTIUM

CONSORTIUM OF OVEST SESIA –BARAGGIA- VC

CONSORTIUM OF BONIFICA DELLA BARAGGIA VERCELLESE-VC

COMPANIES

ALTERNATIVA SRL (MILANO)

IMPRESA BALBIS (VERCELLI)

IMPRESA CARDANI (NOVARA)

IMPRESA COGEIS (QUINCINETTO)
IMPRESA LIS SRL (SERRAVALLE SESIA)
ITACA SPA – NAPOLI
IVIES SRL (PONT ST. MARTIN)
SOCIETA' ITALIANA CONDOTTE PER L'ACQUA SPA (ROMA)
S.P.E. SRL
SINTERAMA SPA – BIELLA
SNAM PROGETTI SPA (MILANO)
SAIPEM
SIPEA Spa (BORGOSIESIA)
ZUMAGLINI & GALLINA (TORINO)
CMC (RAVENNA)
HERA (BOLOGNA)
METROPOLITANA MILANESE SPA
LA VENARIA REALE
SERVIZI AMBIENTALI S.P.A.
ARIN (NAPOLI)

Vercelli, 13th December 2013

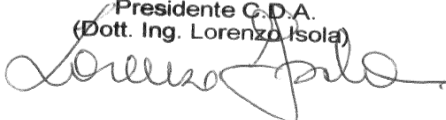
Ing. Lorenzo Isola

Ing. Riccardo Isola

Ing. Paolo Boasso

Ing. Fabrizio Rabaglio

Studio di Ingegneria
ISOLA BOASSO & Associati Srl
13100 Vercelli - Corso M. Prestinari, 86
Tel. 0161/215214 - Fax 0161/215456
P.I. e C.F. 02262240027
Presidente G.D.A.
(Dott. Ing. Lorenzo Isola)





DNV

DNV BUSINESS ASSURANCE MANAGEMENT SYSTEM CERTIFICATE

Certificato No. / Certificate No. **CERT-07350-2000-AQ-TRI-SINCERT**

Si attesta che / This is to certify that

Studio Ingegneria Isola - Boasso & Associati S.r.l.

Corso Marcello Prestinari, 86 - 13100 Vercelli (VC) - Italy

*è conforme ai requisiti della norma per i sistemi di gestione:
has been found to conform to the management system standard:*

UNI EN ISO 9001:2008 (ISO 9001:2008)

*Valutato secondo le prescrizioni del Regolamento Tecnico RT-21
Evaluated according to the requirements of Technical Regulations RT-21*

*Questa Certificazione è valida per il seguente campo applicativo:
This Certificate is valid for the following product or service ranges:*

Progettazione architettonica e strutturale, direzione dei lavori di: opere edili, opere stradali, infrastrutture idrauliche (acquedotti, fognature, impianti di depurazione, sistemazione fluviale, impianti idroelettrici e dighe). Verifiche sulla progettazione delle opere ai fini della validazione, condotte ai sensi delle leggi applicabili (Settore EA : 34)

Architectural and structural design, direction of works of: civil works, road works, hydraulic infrastructures (water distribution networks, sewage system, water treatment plants, river bed and bank works, hydro-electric plants and dams). Design inspection finalized to design validation, performed according to the applicable laws in force (Sector EA : 34)

Data Prima Emissione/Initial Certification Date:

2000-12-01

*Il Certificato è valido fino al:
This Certificate is valid until:*

2015-11-22

*L'audit è stato eseguito sotto la supervisione di/
The audit has been performed under the supervision of*

Luigi Politano
Lead Auditor



SGQ N°003 A PRD N°003 B
SGA N°003 D SSI N°002 G
SCR N°004 F FSM N°001 I

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISF e LAB, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MIRA ILAC per gli schemi di accreditamento LAB

Luogo e Data/Place and Date:

Agrate Brianza (MB), 2012-10-29

Per l'Organismo di Certificazione:

For the Accredited Unit:

Zeno Beltrami
Management Representative

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione.
Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DESIGN AND WORKS MANAGEMENT OF WASTEWATER TREATMENT PLANTS

- anno 2012

MINISTRY OF MUNICIPALITIES AND PUBLIC WORKS GENERAL DIRECTORATE FOR SEWAGE

New Waste Water Treatment Plant for the city of Balad in the Governorate of Salahuddin.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: Euro 13.700.000,00

- anno 2012

MINISTRY OF MUNICIPALITIES AND PUBLIC WORKS GENERAL DIRECTORATE FOR SEWAGE

New Waste Water Treatment Plant and sewer network for the city of Al-Khalis in the Governorate of Dyala.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: Euro 14.300.000,00

- Year 2012

ISEA S.p.a. - Italy

Realization of the "Wastewater treatment plant of the city of Mahmel (ALGERIA) - P.E. 50.000" - Main design and executive design.

Project leader: Eng. Riccardo Isola

Amount of the work: Euro 5.000.000,00

- Year 2012

UNIECO Società Cooperativa, CMB – COOPERATIVA MURATORI & BRACCIANTI DI CARPI (MO), CMC - COOPERATIVA MURATORI & CEMENTISTI (RA) - Italy

Bidding design "Study of execution, realization and management of the wastewater treatment plant of the city of Mostaganem" (ALGERIA) – P.E. 350.000

Project leader: Eng. Riccardo Isola

Amount of the work: Euro 40.000.000,00

- Year 2012

CMC - COOPERATIVA MURATORI & CEMENTISTI (RA) - Italy

Bidding design "Study of execution, realization and management of the wastewater treatment plant of the city of Mohammadia" (ALGERIA) – P.E. 95.000

Project leader: Eng. Riccardo Isola

Amount of the work: Euro 12.000.000,00

- Year 2012

CMC - COOPERATIVA MURATORI & CEMENTISTI (RA) - Italy

Bidding design "Study of execution, realization and management of the wastewater treatment plant of the city of Oum El Bouaghi (W.OUM EL BOUAGHI)" (ALGERIA) – P.E. 145.000

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: Euro 17.500.000,00

- Year 2011

SOCIETA' ITALIANA PER CONDOTTE D'ACQUA

Bidding design "Study of execution, realization and management of the wastewater treatment plant of the city of Ain M'Lila (W.OUM EL BOUAGHI)" (ALGERIA) – P.E. 163.000

Project leader: Eng. Riccardo Isola

Amount of the work: Euro 20.000.000,00

- Year 2010

SERVIZI AMBIENTALI Spa

Interconnection of the municipal sewer system of Ceriale (SV) to the cooperative system of collection and purification of Borghetto S. Spirito (SV). Execution plan.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 6.488.189,36

- Year 2008-2010

HERA SPA – Forlì Cesena

Wastewater treatment plant refitting (Cesenatico – Forlì Cesena) – P.E. 120.000

Preliminary, definite and execution plan.

Project leader: Eng. Riccardo Isola

Amount of the work: € 7.000.000,00

- Year 2008

SERVIZI IDRICI NOVARESI – SIN & VE Srl

Completion works of Wastewater treatment plant in Via Generali, 91 in Novara. Final design.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 1.135.435,42

- Year 2005-2006

ATENA SPA

ATO 2005 plan. Definite and execution plan and works management for the interventions concerning the infrastructures of the integrated water cycle.

- Villata: feeding manifold of the waste water treatment;
- Villata: building of the waste water treatment – Definite plan and final design;
- Building of the new waste water treatment, 2nd Lot (Municipality of Trino);
- Agreement between the State and the Piedmont Region on waste water collector and purification interventions – CIPE resolution nr. 84 of 4-08-2000. Waste water treatment of Vercelli – works to adapt the waste water treatment according to the l.d. 152/99 - denitrification – final filtration. Project and works management of the structures made of reinforced concrete;
- Framework agreement for the sector dealing with urban waste water collector and purification infrastructures – Sewers for the business area - Additional stilling basin at the final insertion of San Bartolomeo line.
- Project leader: Eng. Riccardo Isola

Total amount: € 2.432.556,46

- Year 2005

SOCIETÀ PER CONDOTTE D'ACQUA

Waste water treatment system of the feeding line of the Hammam Boughrara dam towards the City of Maghnia (Algeria) – Execution plan.

Project leader: Eng. Riccardo Isola

Amount of the work: € 11.000.000,00

- Year 2003

ITALFERR Spa

Final design of the purification system, lot nr. 2 in the Municipality of Somaglia and the corresponding sewer connections.

Project leader: Eng. Riccardo Isola

Amount of the work: € 1.144.012,57

- Year 2003

ATENA Spa – Vercelli

Interconnection between the aqueducts of the City of Vercelli and the City of Casale Monferrato – 1st lot of the well field and the corresponding treatment plants. Feasibility study, preliminary project, definite plan and final design.

Project leader: Eng. Riccardo Isola

Amount of the work: € 993.186,00

- Year 2003-2000

MUNICIPALITY OF MONTEROSSO AL MARE

- Waste water treatment plant – Adjustment to the waste water treatment and connecting road – Final design of section 1.

- Waste water treatment plant – Consolidation of the rocky slope – Final design and works management – section 1.

- Waste water treatment plant. Feasibility study, preliminary and final design and W.M.

Project leader: Eng. Riccardo Isola

Total amount: € 1.471.638,10

- Year 2002

ATENA Spa – Vercelli

Building of the new waste water treatment and planning of the municipal sewer system in the Municipality of Trino Vercellese (VC). Preliminary project, definite plan and final design.

Project leader: Eng. Riccardo Isola

Amount of the work: € 2.427.347,43

- Year 2002

ATENA Spa – Vercelli

Framework agreement for the sector dealing with urban waste water collector and purification infrastructures. Preliminary project, definite plan, final design and works management.

Project leader: Eng. Riccardo Isola

Sewers for the Cappuccini Quarter - Section 2 - Amount of the work: € 950.280,69

Sewers for the business area - Amount of the work: € 316.614,48

DESIGN AND WORKS MANAGEMENT OF AQUEDUCTS AND SEWERS

- Year 2013

NATIONAL GROUP FOR RECONSTRUCTION AND INVESTMENT (AHL-ALWAFAA & AL-EZA COMPANY) - KARBALA (IRAQ)

Preliminary and final design of new wastewater treatment plant and sewer network for the district of Al-Manathera and Al-Hera in Al-Najaf Governorate. (IRAQ)

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: \$ 62.760.000,00

- Year 2013

NATIONAL GROUP FOR RECONSTRUCTION AND INVESTMENT (AHL-ALWAFAA & AL-EZA COMPANY) - KARBALA (IRAQ)

Preliminary and final design of new wastewater treatment plant and sewer network for the district of Al-Qasim, Al-Hashmia and Al-Midhatia in the Province of Babylon. (IRAQ)

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: \$ 141.700.000,00

- Year 2013

NATIONAL GROUP FOR RECONSTRUCTION AND INVESTMENT (AHL-ALWAFAA & AL-EZA COMPANY) - KARBALA (IRAQ)

Preliminary and final design of new wastewater treatment plant, pumping stations and sewer network for the cities of Al-Shafia, Al-Salahia, Al-Sediar e Nufar. (IRAQ)

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: \$ 50.000.000,00

- Year 2012

NATIONAL GROUP FOR RECONSTRUCTION AND INVESTMENT (AHL-ALWAFAA & AL-EZA COMPANY) - KARBALA (IRAQ)

Preliminary and final design of wastewater and stormwater sewer for the east part of the city of Baqubah in the Governorate of Dyala (IRAQ).

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: \$ 18.700.000,00

- Year 2011

C.M.C. - COOPERATIVA MURATORI E CEMENTISTI - RAVENNA

Bidding design "Project for irrigation of about 5.000 ha in the territories of Banzi, Genzano, Palazzo S.G. e Irsina." - (Italy)

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 77.157.328,45

- Year 2010

SOCIETA' ITALIANA PER CONDOTTE D'ACQUA

Bidding design "Yanbu – Madina phase 3 Water transmission system". (ARABIA SAUDITA)

Project leader: Eng. Riccardo Isola

Amount of the work: € 200.000.000,00

- Year 2010

SOCIETA' ITALIANA PER CONDOTTE D'ACQUA

Bidding design "Transmitting treated water system from AL-Khobar STP up to AL-Hasa'a irrigation channels". Design of the drinking water feeding system. (ARABIA SAUDITA)

Project leader: Eng. Riccardo Isola

Amount of the work: € 300.000.000,00

- Year 2010

SOCIETA' ITALIANA PER CONDOTTE D'ACQUA

Bidding design "Ras Alzaur - Hafar Albatin" Water transmission system. Design of the drinking water feeding system. (ARABIA SAUDITA)

Project leader: Eng. Riccardo Isola

Amount of the work: € 250.000.000,00

- Year 2010

ATENA S.p.A.

Aqueduct of Vercelli. Realization of the new reservoir and well area.

Project leader: Eng. Riccardo Isola

Amount of the work: € 5.000.000,00

- Year 2010

LA VENARIA REALE

Consortium for cultural development

Irrigation works and water treatment for fountain systems.

Project leader: Eng. Riccardo Isola

Amount of the work: € 2.500.000,00

- Year 2009

SOCIETA' ITALIANA CONDOTTE D'ACQUA SPA

Building of the drinking water feeding system, starting from the desalination plant placed in Cap Djinet (ALGERIA).

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 80.000.000,00

- Year 2009

C.M.C. - COOPERATIVA MURATORI E CEMENTISTI - RAVENNA

Building of the drinking water feeding system, starting from the desalination plant placed in Douaouda-Fouka (ALGERIA).

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 45.000.000,00

- Year 2008-2009

ACQUE SPA

Study of feasibility, preliminary and definite plan of water supplying for Lake Orta Municipalities.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 22.000.000,00

- Year 2007

SERVIZI IDRICI NOVARESI – SIN & VE Srl

Preliminary, definite and execution plan concerning the works necessary to double the reservoir located in via Valsesia in the city of Novara. Final design.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 2.500.000,00

- Year 2007

SOCIETA' ITALIANA CONDOTTE D'ACQUA SPA

Building of the drinking water feeding system in several inland cities, starting from the desalination plant placed in the city of Skikda (ALGERIA). Final design.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 71.000.000,00

- Year 2006

SERVIZI IDRICI NOVARESI SPA

Integrated contract to change the water distribution system of Novara – Briona, HST section, P.R. 299 adjustment – Final design.

Project leader: Eng. Riccardo Isola

Amount of the work: € 2.030.000,00

- Year 2005-2006

ATENA SPA

ATO 2005 plan. Definite and execution plan and works management for the interventions concerning the infrastructures of the integrated water cycle.

- Conditioning works and set up of the aqueduct of the Municipality of Borgo Vercelli
- Renovation of the aqueduct of the Municipality of Bianzè – section 1
- Interconnection between the sewers of the Municipality of Prarolo and the system of the Municipality of Vercelli
- Sewers for the Cappuccini Quarter – section 3
- Aqueduct of Trino: adjustment to the San Genuario well field, 1st Lot
- Rainwater lightening system for the business area in the Municipality of Vercelli
- Reorganization of the water supply system of the Municipality of Palazzolo
- Sewage lift system in the area of San Bartolomeo in the Municipality of Vercelli
- Renovation of the municipal aqueduct of Trino in the hydraulic system of the high level tank in via Osenga, because of the flood of the year 2000
- Construction of the new well in S. Antonino (VC) and connection with the existing aqueduct of the Municipality of Saluggia (VC)
- Construction of the new well in Bianzè (VC) and connection with the existing aqueduct of the Municipality of Bianzè (VC)

Project leader: Eng. Riccardo Isola Total amount: € 5.660.719,30

- Year 2005

SOCIETÀ PER CONDOTTE D'ACQUA

ALGERIA – Tender concerning the final design and the building of the water distribution system of the urban centres between El Aouana and Jijel, starting from the Kissir dam – Final design.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 36.975.755,06

- Year 2005

MOSCA S.r.l.

Separation sewer system – Final design and works management.

Project leader: Eng. Riccardo Isola

Amount of the work: € 1.000.000,00

- Year 2005 (2004)

PROVINCE OF VERCELLI

Work carried out in the Municipality of Trino for the “2006 Olympic programme”.

Definite plan and final design for the interventions concerning sewers, aqueduct and flowerbed irrigation.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 1.535.000,00

- Year 2004

MUNICIPALITY OF MOLINELLA (BO)

Rebuilding of municipal sewers – Preliminary project, definite plan and final design.

Project leader: Eng. Riccardo Isola

Amount of the work: € 1.032.914,00

- Year 2004 (2002)

SOCIETÀ PER CONDOTTE D'ACQUA

Building of the feeding pipe of the Hammam Bouhrara dam towards the City of Maghnia (ALGERIA) – Execution plan.

Project leader: Eng. Riccardo Isola

Amount of the work: € 23.799.001,10

- Year 2003-2000

MUNICIPALITY OF MONTEROSSO AL MARE

- Development of the aqueduct in Fegina, definite – execution plan, section 2 – W.M.

- Development of the aqueduct in Fegina, definite – execution plan, section 1 – W.M.

- Development of the aqueduct in Fegina: technical-economic feasibility study, design and sizing of hydraulic works, preliminary, definite and execution plan.

Project leader: Eng. Riccardo Isola

Total amount: € 1.535.572,60

- Year 2000

ATENA S.P.A. - VERCELLI

Final design of the sewer system for the Cappuccini Quarter in Vercelli – 2nd section.

Project leader: Eng. Riccardo Isola

Amount of the work: € 1.348.985,42

- Year 2000

MUNICIPALITY OF BORGOVERCELLI (VC)

Partial and supplementary maintenance interventions to rebuild the municipal water distribution system – Definite plan.

Project leader: Eng. Riccardo Isola

Amount of the work: € 413.165,52

- Year 1998

MUNICIPAL ADMINISTRATION OF VERRONE

Definite plan, final design and W.M. of the sewers connections of the central area to C.O.R.D.AR. collector.

Project leader: Eng. Riccardo Isola

Amount of the work: € 258.228,45

- Year 1998

MUNICIPAL ADMINISTRATION OF SANTHIÀ

Final design, renovation of the aqueduct, renovation of sewers and drainage culverts in strada Alice Castello and Via Verrazzano. Sections 1 and 2.

Project leader: Eng. Riccardo Isola

Amount of the work: € 388.375,59

- Year 1997

MUNICIPAL ADMINISTRATION OF VERRONE

Preliminary project, definite plan and final design of the sewer system of the industrial area in the Northern-western part of the Municipality of Verrone.

Project leader: Eng. Riccardo Isola

Amount of the work: € 258.228,45

- Year 1996

AZIENDA AUTONOMA SERVIZI MUNICIPALIZZATI OF VERCELLI

Preliminary project, definite plan and final design, W.M., sewer system of the Cappuccini Quarter in Vercelli.

Project leader: Eng. Riccardo Isola

Amount of the work: € 1.624.773,40

- Year 1994 (1992)

MUNICIPAL ADMINISTRATION OF RONCO BIELLESE

Final design and works management of 4 lots – sections of the general project of the sewer system in Ronco Biellese.

Project leader: Eng. Riccardo Isola

Amount of the work: € 413.165,52

- Year 1991

MUNICIPAL ADMINISTRATION OF RONCO BIELLESE

General project of the sewer system of the Municipality of Ronco Biellese.

Project leader: Eng. Riccardo Isola

Amount of the work: € 671.393,97

HYDROELECTRIC POWER PLANTS

- Year 2007-2010

SIPEA Srl - Borgosesia (VC)

Movement of the hydroelectric power plant “Centro” from the “Filatura di Grignasco” to the new building plant in the territory of “Prati di Baragiotta”. Preliminary, definite and execution plan.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 4.740.000,00

- Year 2007-2010

SIPEA Srl - Borgosesia (VC)

Renovation and development of the hydroelectric power plant “Mattioda” on the Caluso channel in Castellamonte (TO). Preliminary, definite and execution plan.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 2.500.000,00

- Year 2007-2010

ENERGY POWER TECHNOLOGY SRL – Varallo (VC)

Renewal and development of the Ponterosso plant on the Caluso channel in Castellamonte (TO).

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 1.300.000,00

- Year 2009

SIPEA Srl - Borgosesia (VC)

River crossing over the Sesia River to create 6 hydroelectric power plants over Grignasco channel. Preliminary plan.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 3.000.000,00

- Year 2009

SIPEA Srl - Borgosesia (VC)

In detail: the intervention is composed by the followings main parts: embankment dyke to allow an increase of flow of the channel Depretis, up to the plant of the “Rocca”, realization of new plant (900 kW), flow 9 mc/s and useful jump 9 m, expansion of the existing plant the “Rocca” up to 5 mc/s and useful jump 29 m, adjustment of the embankments of the channel “del Rotto”. Study of feasibility.

Project leader: Eng. Fabrizio Rabaglio

Amount of the work: € 3.500.000,00

MAIN DESIGN AND WORKS MANAGEMENT ACTIVITIES OF HYDRAULIC ENGINEERING

- Year 1998-2009

MUNICIPALITY OF SANDIGLIANO

- *Hydraulic engineering works on Rio Moglie – Preliminary project.*
- *Hydraulic engineering works on Rio Moglie – Preliminary project, definite plan, final design and works management.*
- *Hydraulic engineering works on Rio Moglie – Preliminary project, definite plan, final design and works management.*
- *Renewal of sewers and roads – Preliminary project, definite plan, final design and works management.*
- *Overflow channel - final design and works management.*
- *Study of feasibility: East overflow channel*

Project leader: Eng. Riccardo Isola

Total amount: € 5.724.663,50

- Year 1998-2006

MUNICIPALITY OF CANDELO

- Hydraulic engineering works on Rio Riale, next to the future athletics track – Preliminary project, definite plan and final design.
- Hydraulic engineering works on Rio Riale inside the municipal territory - Feasibility study.
- Retention of the provincial capital drainage channel - Overflow basin – 2nd functional lot. Preliminary project and definite plan, environmental impact assessment.
- Retention of the provincial capital drainage channel - Overflow basin – 1st functional lot - Section 2. Preliminary project, definite plan, final design and works management.
- Works concerning the hydraulic protection of the municipal territory. General project of 1st lot. Preliminary plan.
- Works concerning the hydraulic protection of the municipal territory. 1st section – Rio Mina. Definite and final design and works management.

Project leader: Eng. Riccardo Isola

Total amount: € 2.261.138,83

- Year 1999-2006

MUNICIPALITY OF BENNA

- *Hydraulic engineering works on Rio Ottina – 2nd lot – Final design and works management.*
- *Hydraulic engineering works on Rio Ottina – 3rd lot – Preliminary project, definite plan and final design, eco-audit and works management.*
- *Hydraulic engineering works on Rio Ottina – 4th lot – Preliminary project, definite plan and final design, eco-audit and works management.*
- *Adjustment to the drainage channel of the territory in the municipalities of Benna, Buronzo, Gaglianico, Massazza, Sandigliano, Verrone, Villanova Biellese. Preliminary project, definite plan, final design and works management – 2nd section.*
- *Agreement among the municipalities of: Benna, Buronzo, Candelo, Gaglianico, Massazza, Sandigliano, Verrone and Villanova Biellese (Provinces of Biella and Vercelli).*
- Hydraulic engineering works on Rio Ottina. Preliminary project, definite plan, final design and W.M. – 1st section.*
- *Agreement among the municipalities of: Benna, Buronzo, Candelo, Gaglianico, Massazza, Sandigliano, Verrone and Villanova Biellese (Provinces of Biella and Vercelli).*
- Hydrogeological study and planning of hydraulic engineering*
- *Study of feasibility: overflow channel on Bazzella river.*
- *Overflow channel on Bazzella river. Final design and works management.*
- *Study of feasibility: flood control basin of Rio Ledda and Rio Rialone.*

Project leader: Eng. Riccardo Isola

Total amount: € 9.366.601,52

- Year 2005

PROVINCE OF VERCELLI

In the P.R. nr. 9 called “ di Valle Mastellone”, consolidation of the foundations of the bridge called “delle Due Acque” in the Municipality of Cravagliana.

Preliminary project, definite plan and final design.

Project leader: Eng. Riccardo Isola

Amount of the work: € 400.000,00

- Year 2003

MUNICIPALITY OF LINAROLO (PV)

Supplementary maintenance interventions to navigate again on the River Po in the area of Becca bridge – Final design and W.M.

Project leader: Eng. Riccardo Isola

Amount of the work: € 559.500,00

- Year 2002

CONSORZIO DI BONIFICA DELLA BARAGGIA VERCELLESE

- Adjustment and implementation of the safety measures of the smaller hydraulic system of the basin of the Torrent Elvo in the municipalities of Borriana, Cerrione, Gaglianico, Ponderano, Salussola and Sandigliano. Definite plan of 2nd lot.

- Storage on the Torrent Ingagna in the Municipality of Mongrando – Completion, improvement and reduction of the environmental impact – works management.

- Adjustment and implementation of the safety measures of the smaller hydraulic system of the basin of the Torrent Elvo in the municipalities of Borriana, Cerrione, Gaglianico, Ponderano, Salussola and Sandigliano. Definite plan of 1st lot.

- Preliminary, definite and execution plan of the works to improve the efficiency while using differently the water resource of the storages on the Torrents Ostola and Ravasanella.

- Final design of overflow channel in Silvabella for flood control of Rio Dondoglio in Municipalities of Gattinara and Lenta (VC).

Project leader: Eng. Riccardo Isola

Total amount: € 7.136.378,48

- Year 2002

MUNICIPALITIES OF ARENA PO, PORTALBERA, S. CIPRIANOPO, MEZZANINO, REA

Works to navigate again on the River Po from Rea to Ponte Pievetta. Definite plan, final design and works management.

Project leader: Eng. Riccardo Isola

Amount of the work: € 927.903,44

- Year 2001

A.N.A.S.

Survey concerning “Urgent consolidation works of the foundations of the three piers on the River Sesia at the Km. 75+000, building of a sill to stabilize the river bed and adjustment to the hydraulic section through the execution of two bays, because of the flood of 13th – 18th October 2000” – Definite plan and final design.

The project includes the building of a sill with a length of about 300 m. with diaphragms and floors made of rocks, as well as the consolidations of the piers through diaphragms and injections; moreover, we will build two new bays and we will adjust the hydraulic section through the suitable shaping of the river bed and diverting works.

Project leader: Eng. Riccardo Isola

Amount of the work: € 4.983.489,87

- Year 2001

ASSOCIAZIONE DI IRRIGAZIONE DELL'AGRO ALL'OVEST DEL SESIA

Completion works included in the 4th abstract of the Piedmont Region plan.

Magrelli Channel – Municipality of Balzola and Villanova M.to

Project leader: Eng. Riccardo Isola

Amount of the work: € 335.696,98

- Year 2000

PROVINCIAL ADMINISTRATION OF BIELLA

- Works to adjust the Torrent Cervo in the Municipality of Vigliano Biellese. Definite plan, final design and works management.

- Consolidation works of the bridge on the torrent Cervo along the S.P. Vigliano-Candelo. project, definite plan, final design and work management.

Project leader: Eng. Riccardo Isola

Total amount: € 2.300.601,19

ROADS AND BRIDGES

Below are listed some of the most important projects of *Ing. Paolo Boasso*:

- Year 2008

PROVINCE OF VERBANO CUSIO OSSOLA

Execution plan of “Security measures for the area between progression km 7+830 e km 8+330- Extract 2- Part B, along S.P. 66 ex S.R. 549 DI MACUGNAGA.

Amount of the work: € 2.410.000,00

- Year 2007

PROVINCE OF VERBANO CUSIO OSSOLA

Execution plan of “Works of reconstruction of the collapsed road at km 7+400 and security measures from km 7+200 to km 7+600 along provincial road 549 of Macugnaga.

Amount of the work: € 2.542.000,00

- Year 2007

PROVINCE OF VERCELLI

Final and execution plan: “Adjustment work of Ex. S.S. N. 455 – Reconstruction of the bridge on Roggia Marcova, from Prog. km 11.110 to 11.135”.

Amount of the work: € 327.134,04

- Year 2007

PROVINCE OF NOVARA

Execution plan: “Works for road variation at south-east of Romagnano Sesia (NO).

Amount of the work: € 8.263.830,58

- Year 2006

PROVINCE OF NOVARA

Execution plan for integrated contract “Connection between provincial road n.299 and regional road n.142, along provincial road n.299 ‘della Valsesia’, at north-east of the built-up area of Romagnano Sesia”.

Amount of the work: € 18.557.108,09

- Year 2006

MUNICIPALITY OF BORRIANA

“Reconstruction of the bridge on Torrente Oremo”. Including a steel bridge with single beam of 36 m. Preliminary, Final, execution plan.

Amount of the work: € 400.000,00

- Year 2006

MUNICIPALITY OF IVREA

Studies of feasibility relatively to the interventions on the bridge destined to pedestrians and bikers, and on bicycle paths, Municipality of Ivrea (TO)- PISL. Including the study for a bridge on river Dora Baltea, beam 100 metres.

Amount of the work: € 3.879.624,00

- Year 2005 (2003)

PROVINCE OF VERCELLI

“Realization of Bypass in the City of Arborio along the Ex S.S. 594”Right Sesia”. Preliminary, final, executive design, Safety coordination.

Amount of the work: € 1.745.000,00

- Year 2005 (2003)

PROVINCE OF TURIN

S.P. n°222 of Castellamonte – Project of bridge on the Ribes Brook, in the cities of Colletterto Giacosa, Loranze e Samone. Executive design and works Management of construction site, of special foundations of the viaduct and roads; safety coordination during execution.

Amount of the work: € 1.757.112,14

- Year 2005 (2002)

PROVINCE OF NOVARA – MUNICIPALITY OF ROMAGNANO (NO)

Preliminary project and study of environmental impact (L.R. 40/98) of the external diversion of Romagnano, and connection between S.P. “della Valsesia” and S.R. 142 “Biellese”. Trunk including a viaduct, improvement of slopes with strengthened earth embankments, structure of insertion and environmental retraining.

Amount of the work: € 10.500.000,00

- Year 2005 (2004)

ANAS

S.S. N.337 “of Valle Vigizzo”. Assistance to preliminary, Final, executive design, coordination for safety about extraordinary maintenance and structural restoration of the bridge on river Melezio, at Km 25+000.

Amount of the work: € 1.060.000,00

- Year 2004 (2002)

PROVINCE OF TURIN

Structural works included in “Improvement and modernization of the S.P. 92 “di Castiglione” Municipality of San Mauro”.

Viaduct with three spans with continuous pre-stressed orthotropic slab, thickness of 1.20 metres on the maximum beam of 31 metres. Executive design, Safety coordination.

Amount of the work: € 952.943,07

- Year 2003 (2001)

PROVINCE OF TURIN

Project: “Reconstruction of bridge over the river Orco at Feletto”. – Complete design, Works Management, structural works, Safety coordination.

Reconstruction of bridge partially collapsed following the events that occurred after the flood of October, 2000, and variations have been necessary to the structural and architectural recuperation of the existing arched masonry bridge; for the new bridge has been adopted a caisson light structure in pre-stressed concrete, with three beams of maximum 56 metres.

Amount of the work: € 5.003.012,50

- Year 2003 (1999)

PROVINCE OF BIELLA

Preliminary, final, executive design, Work Management, Safety coordination, during the project and its execution.

"Renovation of the S.P. n° 223: Lessona-Crocemosso." Realization of new intersections, grade-level crossing, adjustment and reconstruction of road, road level – accessory works- security measures, measures to bring the S.P. up to code.

Amount of the work: €1.368.610,78

- Year 2003

COMPANY COGEIS – CLIENT: PROVINCE OF VERBANO – CUSIO – OSSOLA – MOUNTAIN COMMUNITY MONTE ROSA

- S.P. 75 ‘of Valle Cannobina’ – Construction of a new bridge on Rio Secco. Executive project for structure of arch bridge, beam 10 metres.

- Execution plan for the structures of the arch bridge, beam 10 metres. “Road of connection between an area called Crotto and an area called “Ielmala” – Arch bridge on Rio Ielmala”.

Total amount: € 370.000,00

- Year 2002 (2001)

A.N.A.S.

Final, executive Project, Safety coordination.

Project variance of “ Urgent Works of consolidation of the foundations of three piers on the river Sesia site at the Km 75+000, construction of a threshold for the stabilization of the river bed and adjustment of the hydraulic section through the execution of two spans, following the alluvial events of October 13-18, year 2000”.

The project consists of the realization of a threshold around 300 m long, with diaphragms and rock foundations, besides the consolidation of the piers with diaphragms and injections; besides, two new spans and the adjustment of the hydraulic section will be realized with opportune shape of the river bed and river excavation.

Amount of the work: € 4.983.489,87

- Year 2002 (2001)

MUNICIPALITY OF VARALLO (VC)

Preliminary and Final project of cable-stayed bridge on River Sesia and connection of Morca district – assignment with deliberation G.C. n° 71, 04.03.1998.

The project consists of realizing a new bridge with a beam of 100 metres, besides accessory works of connection of the road.

Amount of the work: €1.187.850,87

- Year 2001

PROVINCE OF VERCELLI

S.P. 32 “Trino - Camino” – Functional maintenance of the bridge on the river Po. Final design.

Amount of the work: € 300.000,00

- Year 2001

PROVINCE OF BIELLA

Preliminary project for “Pedemontana Connection S.S. 142 Variance – Masserano – Romagnano”.

“Fulfilment Works of throughway (CNR III) from Biella to Romagnano including last trunk 15.370 Km long; including the viaduct on River Sesia, 2620 metres long”.

Amount of the work: € 134.278.793,76

- Year 2000

PROVINCE OF VERCELLI - A.N.A.S.

Final and execution project. Project of "Adjustment of the road section of the S.S. n.455 Vercelli-Desana and Desana-Tricerro". Agreement between Region Piedmont, A.N.A.S. and Province of Vercelli. L.R. n. 4/93. Final and executive project.

Amount of the work: € 1.420.256,47

- Year 2000 (1999)

A.N.A.S.

Project of "External Variation for the inhabited areas of Vercelli and Borgovercelli along the road S. S. n° 11 'Padana superiore' ".

Assistance to the executive planning and Safety coordination.

Variation Nord to the road from Vercelli to Borgovercelli, including the viaduct on the River Sesia, 1050 metres long, 60 metres long beams.

Amount of the work: € 45.361.958,82

- Year 1999

PROVINCE OF VERCELLI - A.N.A.S.

Project of "External Variation to the inhabited areas of Vercelli and Borgovercelli along the National Road n° 11 'Padana Superiore' ". Convention between Region Piedmont, A.N.A.S. and Province of Vercelli. L.R. n. 4/93. D.G.R. n. 59/22768.

Final project of the new North bypass road of Vercelli and Borgovercelli, including the viaduct on the river Sesia, 1050 metres long, 60 metres beams long.

Amount of the work: € 45.361.958,82

- Year 1999

COMPANY COGEIS - CLIENT SNAM

"Construction of Crodo tunnel" inscribed in the general mainframe for 'Gas pipeline Passo Gries, Mortara, trunk Formazza - Masera, extract 3 Passo Premia – Masera.

Tunnel of 937 metres long, realized with cutter TBM Diameter 3,60 metres full section – Executive planning of structures.

Amount of the work: € 2.633.930,19

- Year 1999

COMPANY COGEIS - CLIENT REGIONE AUTONOMA VALLE D'AOSTA

"Junction between Viale della Rimembranza and regional road to Pontey". Arch bridge, 50 m long beam, and accessory works. Executive Project.

Amount of the work: € 1.673.836,81

- Year 1999

MUNICIPALITY OF ISSIME (AO)

Reconstruction of bridge on the Stream Rickurtbach, inscribed in the general mainframe for interventions to enlarge municipal road Ribola.

Amount of the work: € 774.685,35

- Year 1999

COMPANY COOPSETTE – CLIENT: PROVINCE AND MUNICIPALITY OF TURIN

Complete planning – Certified plan, International Institute Bureau Veritas.

Viaduct over the river Sangone between Turin (via Artom) and Nichelino, in the service of Provincial axle East-West (Moncalieri-Nichelino-Torino-Beinasco-Rivalta).

Viaduct 140 metres long, with main arch span, pile interaxis 70 metres long , side spans 35 metres long, 26 metres general width on two separate roadways.

Amount of the work: € 3.098.741,39

- Year 1997

COMPANY COGEIS – CLIENT SNAM

Costruction of Montjovet tunnel, inscribed in the general mainframe for reconstruction of section 6 (Champdepraz - Saint Vincent) of the pipeline SNAM Ferrera - Gran St. Bernard, Trunk Chivasso - Aosta - Gran St. Bernard.

Tunnel of total length 648 metres, realized with cutter TBM diameter 3,60 metres, full section. Executive planning.

Amount of the work: € 2.169.118,98

- Year 1997

COMPANY RUSCALLA – CLIENT: PROVINCE OF TURIN

Executive planning.

S.P. 70 of Quassolo - Reconstruction of the bridge on the river Dora Baltea collapsed during the flood of September 1993.

Viaduct of 100 metres with 3 continuous spans – beams 30-38-30 metres -

Amount of the work: € 929.622,42

- Year 1997

COMPANY LIS

Bid for a competitive public tender on “Executive plan of a bridge on the river Sesia, Ghislarengo”.

Amount of the work: € 1.988.359,06

- Year 1997

COMPANY IVIES – CLIENT: A.N.A.S.

Executive Project.

S.S. 631 "of the Valley Cannobina" – "Urgent works of reconstruction of part of the area interested by landslides, between the Km 17+205 and the Km 29+513. Arch bridge, principal arch with a beam of 36 metres - 18 metres arcades for widening of road section - walls of support and special foundations.

Amount of the work: € 3.441.668,78

- Year 1997

COMPANY COGEIS – CLIENT: MUNICIPALITY OF RONCO CANAVESE

Executive Project.

Reconstruction of the bridge on the stream Soana on the town road for the access to the village Scandosio. Bridge with two spans and plain beams – adjustment of river bed.

Amount of the work: € 470.492,24

- Year 1996

COMPANY IVIES – CLIENT: MUNICIPALITY OF BROSSO

Restructuring and consolidation of landslide movement between the Parish Church of Brosso and an area called Vallorera.

Structures in reinforced concrete - special foundations with connecting cable-stays and micro-piles – adjustment of slopes with armed earth - Executive project of structural works.

Amount of the work: € 823.748,75

- Year 1995

COMPANY IVIES – CLIENT: REGIONE AUTONOMA VALLE D'AOSTA – SOCIETÀ ITALIANA PER IL TRAFORO DEL MONTE BIANCO

S.S. 26dir "of the Valley of Aosta" - trunk P.S. Didier- Monte Bianco - Renovation due to slopes in. Extension of artificial tunnel, with plain top, with function of protection from the avalanches. Executive project.

Amount of the work: € 317.620,99

- Year 1994

COMPANY IVIES – CLIENT: A.N.A.S.

S.S. 510 "Oriental Sebina" – Trunk Mandolossa – Corna di Darfo - Urgent works of widening and consolidation of Marrone tunnel between the Km 28+361 and 28+975.

Widening and consolidation of tunnel - widening of road with arch spans. Executive Project.

Amount of the work: € 1.179.071,10

CIVIL WORKS

Below are listed some of the most important projects in this field of **Ing. Paolo Boasso** and **Ing. Lorenzo Isola**:

- Year 2010

AZIENDA SANITARIA N.1 IMPERIESE

New hospital complex in Bordighera (SV). Structural works. Final plan.

Amount of the work: € 1.197.714,62

- Year 2005

PRIVATE CLIENT

Receptive structure with services on ground floor, based on PEC, area A3.1, and residence, Alagna Valsesia. Execution plan.

Amount of the work: € 3.800.000,00

- Year 2005

PRIVATE CLIENT

Residential complex, CAPO VERDE, Sal Island. Execution plan.

Amount of the work: € 2.000.000,00

- Year 2005 (1997)

POLYTECHNIC UNIVERSITY OF TURIN – DETACHED CENTRE IN VERCELLI

Preliminary, definite, execution plan – Works Management.

Amount of the work: € 3.304.593,15

- Year 2005 (2000)

ASL 13 - NOVARA

Restructuring of the district centre and general outpatients' department, in Arona. For the optimization of existing activities, in reference to the necessity of adjustment (D.C.R 616 – 3149 del 22-02-2000). Preliminary, definite, execution plan – Works Management.

Amount of the work: € 1.913.690,03

- Year 2005 (1997)

OPERA PIA LOTTERI-TURIN

Reconstruction of health service residence for the elderly, 300 beds. Preliminary, definite, execution plan – Works Management.

Amount of the work: € 5.167.151,28

- Year 2005 (2004)

MUNICIPALITY OF CASALE MONFERRATO (AL)

Extract 2 – Building called “Piccolo Seminario”, ownership of Casale Monferrato Council Administration (AL), “Recovery, restructuring, functional adjustment, and expansion for new scholastic centre”. Execution plan.

Amount of the work: € 930.375,36

- Year 2002-2006

CASALE MONFERRATO COUNCIL ADMINISTRATION (AL)

Extract 1- Building called "Piccolo Seminario" ownership of Casale Monferrato Council Administration (AL), “Recovering, restructuring, functional adjustment, and expansion for new scholastic centre”. New project of rooftop, restructuring face on Via Facino Cane, Via Gonzaga, Via Provvidenza, recovering faces on inner spaces, interior structural works.

Amount of the work: € 1.226.378,00

- Year 2004

AZIENDA UNITÀ SANITARIA LOCALE DI PIACENZA

New hospital complex, Val D'Arda and Fiorenzuola D'Arda. Preliminary, definite, execution plan.

Amount of the work: € 16.601.710,03

Amount of structural works: € 3.924.090,72

- Year 2004 (2001)

ASL 13 – NOVARA

Restructuring of existent buildings and new construction of buildings to be destined to sanitary use (outpatients' department and district), Trecate. Preliminary plan – Works Management.

Amount of the work: € 2.440.258,85

- Year 2004 (1999)

“OPERA PIA CONVALESCENTI ALLA CROCETTA” - TURIN

Works of restructuring, conservative improvement, hygienic sanitary set up – West wing of the building overlooking Vicolo Crocetta and north wing for formation of social-welfare structures for non self-sufficient people. Preliminary, definite, execution plan – Works Management.

Amount of the work: € 1.141.369,75

- Year 2002 (1999)

GEN.CO. S.R.L.

Preliminary, definite, execution plan – Works Management.

"Refurbishment and extension of Building "Centro studi laboratori", Laboratories and Study Centre (ex Olivetti agricultural Centre). Project of new factory and urban planning, areas with PEC.

Amount of the work: € 568.102,59

- Year 2001

MUNICIPALITY OF CASALE MONFERRATO (AL)

Building called "Piccolo Seminario" ownership of Casale Monferrato Council Administration (AL), "Recovering, restructuring, functional adjustment, and expansion for new social-welfare structure". Preliminary plan.

Amount of the work: € 5.531.253,38

- Year 2001

RESIDENCE IRM- MAFFEI - TURIN

"Recovering, restructuring, hygienic-sanitary renovation of Building in Turin - Corso Regina Margherita n. 304, to be destined to residence for the elderly, 40 beds. Preliminary plan.

Amount of the work: € 1.547.046,64

- Year 2001

COMPANY 'IMMOBILIARE MARIALUIGI SRL' – BRUINO (TO)

New residence for not self-sufficient elderly, with four new sanitary residences (R.S.A.) and services, 80 beds totally. Preliminary plan.

Assumed Amount of the work: € 6.228.470,20

- Year 2001

FONDAZIONE "SALVATORE MAUGERI" – PAVIA

Project of expansion, restructuring, completion and normative adjustment of Veruno Medical Centre (NO). Preliminary, definite plan.

Assumed Amount of the work: € 14.977.250,00

- Year 2000 (1998)

ADMINISTRATION SANCTUARY OF OROPA (BI)

Recovery of receptive potential and relative services of the Sanctuary of Our Lady of Oropa and restructuring of the building, "Casa Nuova" and "Galleria del Tesoro". Preliminary, definite, execution plan – Works Management.

Amount of the work: € 1.446.079,32

- Year 2000

ASL 13- NOVARA

Preliminary plan for normative adjustment of outpatients' department ASL in Borgomanero-Oleggio-Galliate.

Amount of the work: € 2.395.035,34

- Year 2000-2005

ASL 13- NOVARA

Preliminary, definite, execution plan – Works Management.

Restructuring of district road and outpatients' department of Arona, for the optimization of the existing activities, in reference to the exigency of adjustment interventions DCR 616-3149, 22-02-2000.

Amount of the work: € 1.913.690,03

- Year 1999

ADMINISTRATION OF IL.PP.A.B EX ECA OF MILAN

Restructuring of the Geriatric Institute, "C. Golgi " Casa Pia of Abbiate Grasso; creation of R.S.A. department for total 292 beds, extract A. Definite, execution plan.

Amount of the work: € 8.317.538,36

- Year 1997

COMPANY BERTINO SPA, UNITÀ SOCIO SANITARIA LOCALE N°41

Works of restructuring of wing of the ex hospital in Orio Canavese to be used as sanitary residence with 40 beds for elderly predominantly not self-sufficient. Execution plan.

Amount of the work: € 1.662.991,22

- Year 1995-2003

S.P.E. S.R.L. "SISTEMI E PROGETTI PER L'EDILIZIA"

Preliminary, definite, execution plan – Works Management.

New building – extract 1 and 2, Vercelli, Corso Magenta, 7.500 cubic metres.

Amount of the work: € 2.065.827,60

- Year 1995

COMPANY COOPERATIVA EDILIZIA "ITALIA 2" S.R.L.

Project of residential building in Gattinara, San Bernardo, n.22 residential units.

- Year 1994

COMPANY BERTINO SPA, FIRST MILITARY ENGINEER CORPS

Project building for new kitchen for logistic outstation Tabor, Bardonecchia.

Amount of the work: € 557.398,81

- Year 1994

COMPANY M. COMMOD

Structural and Architectural Project for residential complex in Ayas - Champoluc, 400 cubic metres.

Amount of the work: € 625.250,00

- Year 1993

COMPANY BERTINO SPA, MINISTRY OF PUBLIC WORKS

‘Provveditorato opere pubbliche per Piemonte e la Valle d'Aosta’: military police station, Agliè (TO).

New barracks – Executive Project structural works.

Amount of the work: € 884.690,67

- Year 1992

S.P.E. S.R.L. “SYSTEMS AND PROJECT FOR CONSTRUCTIONS”

Project – Works Management

Structure in reinforced concrete, Building in Corso Prestinari, Vercelli, 11 residential units.

- Year 1992

L’ALTERNATIVA S.R.L.

Residential complex in Vercelli, Corso Turin, 18000 square metres. Execution, architectural and structural project.

Amount of the work: € 5.452.515,00

- Year 1991

COMPANY FORNARO GEOM. RENATO

Project and structural calculus of Building in Corso Adda, Vercelli, n. 28 units.

- Year 1989

VOGLIAZZI S.P.A.

Structural and Architectonical project: warehouses, workshop, building for offices.

Amount of the work: € 2.561.626,00

- Year 1986

CASSA DI RISPARMIO DI VERCELLI

Structural and Architectonical project of bank building, Trino Vercellese.

- Year 1985

WOOL FACTORY AGNONA, BORGOSESIA (VERCELLI)

Expansion of offices of Industrial Building in Borgosesia "Lanerie Agnona". Project and W.M.

Amount of the work: € 3.204.438,00

- Year 1979

SOCIETÀ IMMOBILIARE CANTARANA (REAL ESTATE COMPANY CANTARANA)

Project of buildings consisting in three floors and one-family houses 80000 cubic metres.

Amount of the work: € 3.305.324,15

- Year 1976

I.A.C.P. OF THE PROVINCE OF VERCELLI

Project and Works Management, residential buildings in Vercelli, Fraz. Cappuccini and Via Monfalcone – n.140 units.

Amount of the work: € 8.376.785,00

- Year 1975

CONSORZIO IMPRESE EDILI VERCELLESI

Structural and Architectural Project of residential buildings, Vercelli, Via Colombo, 75 units totally.

Amount of the work: € 4.497.389,00

- Year 1974

COMPANY COSVER

Residential and commercial complex Corso Marcello Prestinari, Via Chicco in Vercelli, 34 000 cubic metres. Preliminary, definite, execution plan – Works Management.

Amount of the work: € 10.978.221,00

- Year 1972

COMPANY EDILCASE, CHAMPOLUC (AOSTA)

Residential Complex, Champoluc, 3 buildings, 6.480 cubic metres.

Amount of the work: € 2.749.788,00

- Year 1972-1971-1967

PUBLIC RESIDENTIAL BUILDINGS, VERCELLI – CONCORDIA VILLAGE

Residential complex, Vercelli composed of Building 'C', Building 'D' e Apartment towers 4-5-6-7.

Amount of the work: € 5.824.520,00

- Year 1971

ADMINISTRATION OF APARTMENT BUILDING 'LE PIGEON'

Project of two residential buildings 3.890 cubic metres.

Amount of the work: € 1.910.720,00

- Year 1970

ADMINISTRATION OF APARTMENT BUILDING, VIA AGORDAT N.5

Structural and Architectural Project, Works Management, Vercelli, 7 units.

Amount of the work: € 2.006.267,00

- Year 1968

**CAMERA DI COMMERCIO INDUSTRIA ARTIGIANATO ED AGRICOLTURA DELLA
PROVINCIA DI VERCELLI (CHAMBER OF COMMERCE OF VERCELLI)**

Structural and Architectural Project, Works Management.

New building for the Chamber of Commerce of Vercelli, Piazza Risorgimento, 29.650 cubic metres.

Amount of the work: € 13.004.798,00

- Year 1966

**SOCIETÀ CATTOLICA DI ASSICURAZIONE (COMPANY CATTOLICA DI
ASSICURAZIONE)**

Structural and Architectural Project, Works Management.

Civil building in Via Dante, Vercelli – n.15 units and n.6 shops

Amount of the work: € 1.898.668,00

- Year 1967

MECHANICAL WORKSHOP GIOVANNI CERUTTI

Structural and Architectural Project, Works Management.

New Industry and office building for Mechanical workshop Giovanni Cerutti.

Amount of the work: € 4.609.676,00

- Year 1964

F.LLI BASSI DI CIGLIANO

Structural and Architectural Project, Works Management.

Civil building in Cigliano, n.18 units.

Amount of the work: € 3.336.231,00

- Year 1963

**AMMINISTRAZIONE CONDOMINIO VIALE GARIBALDI
(Administration of Apartment Building, Viale Garibaldi)**

Structural and Architectural Project, Works Management.

New building for ‘Autonomous Institute for Public Houses’, Vercelli, n.12 units, and offices of the company on higher floors.

Amount of the work: € 3.029.175,00

- Year 1962

CLASS CANTONE

Structural and Architectural Project, Works Management.

New Industrial Building and Office Building in Vercelli.

Amount of the work: € 61.975,00

- Year 1961

ADMINISTRATION OF APARTMENT BUILDING VIA GIOVINE ITALIA '61

Architectural design, structural project and works management of residential building, 10.395 cubic metres.

Amount of the work: € 2.281.985,00

- Year 1961

ADMINISTRATION OF APARTMENT BUILDING CORSO FIUME – VIA AOSTA N° 5 E N° 7

Residential complex composed of three buildings. The first building with a volume of 5.150 cubic metres, the other two buildings with a volume of 6.600 cubic metres.

Amount of the work: € 2.952.960,00

- Year 1959

MR. BORZONI

Structural and Architectural Project, Works Management.

Building consisting in n.16 residential units, Vercelli.

Amount of the work: € 1.627.464,00