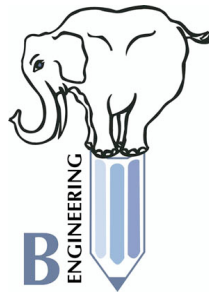


# **B.engineering**



**RAVENNA – ITALY**

CV

**ANDREA BARBIERI**

CURRENT ADDRESS ..... 48122 - Ravenna -Italy  
Vicolo dei Francesi, 3

PHONE : ..... +39 544 454018

Fax : ..... +390544 459287

e-mail ..... info@b-engineering.it

Projects and roles:

- AGRISIEL (Italsiel),

Consultant on the SIAN Project (Nation-wide Agricultural Information System), information systems analyst and sw applications (AutoCAD, WP, spreadsheets).

- Issuing of Feasibility projects and tenders for the creation of territorial and Land Register information systems for public bodies (ENEL, Local Administrations), various Corporation (Gas-water Companies, National Social Security Institute) and overseas (Tanzania - Co-operative Union of Tanzania)

- Implementation of a computer-aided design system for high-speed railway line based on numerical mapping.

- Member of supervisory committee at Agrinform S.p.A. (Agricultural Improvement Services) in Rome and also manager of technical department within Agrinform.

- Development of tenders for irrigation supply networks in the Agrigento area (Sicily-Italy).

- Preliminary study and design of general sewage system in Venice (Italy).

**ITALIAN MINISTRY OF FOREIGN AFFAIRS – Co-operation Dept. :**

- Implementation (and also teacher) of an “Office Automation Course” in Pakistan in the framework of a programme for the enhancement of the projects evaluation capability for the Federal Bank of Co-operatives in Islamabad.

- Feasibility study for irrigation scheme in Singida and Mpwapwa - Tanzania

- Feasibility study for pilot farm at Bwerenga - Uganda

- Preliminary study, set-up and management of the installation of a photogrammetric analytic workstation (with Intergraph Co. technologies) for numerical mapping by aerophotography. In this centre (first in Italy) for the numerical method processing was developed a new set of cadastral maps for several region in Italy.

**1992-'94:**

partner and technical manager in the society "ADM Engineering S.r.l." in Ravenna involved in the following field:

- Project management,
- general petrochemical plant design (piping, stress analysis, setup of documentation for public authorities).
- basic and detailed structural design.

**Till 1995:**

Free lance with the following activities:

- Steelworks and concrete structures design.
- Mechanical design for special automatic vending devices.
- Mechanical design in upgrading machines and devices.
- Expert consultant for Civil Courts of Ravenna and Firenze in industrial and hydraulic civil suit.
- Expert for ITALIAN MINISTRY OF FOREIGN AFFAIRS, in charge for supervisor for civil and GIS implementation of civil institutional projects and support.

**3. MAIN EXPERIENCE:**

3.1 • with DAM Studi Ricerche Progetti S.p.A. - Ravenna :

- Set up (in staff) for 3 projects of irrigation networks in Agrigento province.
- Set up (in staff) for the project for the urban sewerage network of Venezia City.
- AGRISIEL S.p.A. - Rome (gruppo Italsiel), consultant in the SIAN project (Sistema Informativo Agricolo Nazionale) in charge for analyst of data systems and CAD applications.
- Implementing in the system of the firm of a CAE system for High Speed railroads based on GIS.
- **Italian International Co-operation in Tanzania:**  
Assistant for the implementation of Co-operation projects for rural and territorial development.
- **Italian International Co-operation.** Training course for office automation for Federal Bank of Cooperatives of Pakistan
- Numerical aerial survey .  
Creation and operating management of the DAM center.

- Consortium New Cadastral (FIAT Engineering - DAM- Martinelli- Rati). - Project for renewal new cadastral maps of the province of Bergamo and Varese.

### 3.2 • With ADM engineering S.r.l. :

- Belleli spa - Mantova: management of the job for MTO (material take off) of following offshore rigs: Dunbar, Miskar, ELF-COBO and MÆRSK.
- *Analysis for the implementation, in the company organization, of a computer based system (CAE) for the design of structural steelworks and piping.*
- *Draft / final design of structural frames for the following companies: Rosetti spa – Ravenna; coop. CMC-Ravenna; Savini srl- Ravenna; AIS – Ferrara; SAIMI srl- Ferrara; AGIP spa- Milan (offshore and onshore methane extraction plant); Enichem spa- Ravenna plant.*
- *AGIP spa – Ravenna dept. : Design of small depuration systems in the onshore extraction plants.*
- *ENI spa - Fornovo (RE) - Project management of the design of a LTX plant (gasoline extraction system from deep well methane).*
- *ENICHEM Elastomeri (RA) - Project management for the construction of a new plant addition (sector SOL-1 A e B).*

### 3.3 • Other duties Works :

- *Conceptual layout and final design of special stand- alone vending systems and info point (patented).*
- *AGIPGAS S.p.A. : Conceptual layout, design and construction of special stand- alone vending system (patented).*
- *Agip S.p.A. – inserted in the company vendor list for structures design e works direction.*
- *Ravenna Civil Court: technical consultant for industrial plants e hydraulic / reclamation questions.*
- *ENICHEM spa - Chemical plant of Ravenna, till 1999: pluri-annual deal for the supply of technical and engineering support in mechanical and structural design..*
- *RIVOIRA spa (Union Carbide group) - Ravenna plant : design of a new plant for hydrogen production (civil & mechanical).*
- *Interchim srl – Ravenna ; general layout of a storage plant for chemical products in the Galati harbour (Romany), in the frame of the European Community financing project ‘JOP’.*

- *MARCEGAGLIA GROUP SPA – Ravenna siderurgic plant : mechanical basic and detail design of devices for optimization of the production. Design of several steelworks structures. / Final design of underground pipelines for transportation hydrogen and nitrogen. Preliminary and final design of two new entryway arrangement for the Ravenna siderurgic Plant. / study and design for new type of loading autoextracting baskets (scrap Boxes – Patent pending (\*))./ Study and design for revamping and upgrading of mill equipment./ Study for safety storage equipment of steel coils./ Long-term advisor for Civil/mechanical engineering project and works extended general assistance.*
- *FORES ENGINEERING S.r.l. – Forlì: design of various steelworks for industrial plants and skids for oil extraction plants. (Caspian Oil; Ebocha oil ; Arar; El Gamil plant; Baglan Bay; Blue Stream).*
- *F.lli Righini S.r.l. : design of machinery for Blue Stream pipeline project, roll-out devices for onshore piping transport.*
- *HYDRODRILLING srl – basic and detailed design of a new type of BOP moving undercarriage./ study and design of a 50 ton drilling auction basket./ analysis and design for deep well cable guide.*
- *SULZER – DE PRETTO S.p.A. – SCHIO (VI): design of steelworks frames for the support of 5 MW turbocompressor in the Servola (TS) plant. Final design of the lubricant supply devices.*
- *ITO S.p.A. – Cesena. Spool and drawing in 3D mode machine for fruits and vegetables collection.*
- *COSMI SPA – Ravenna – involved in several offshore and onshore revamping, workover, restoring and construction project in gas & oil, drilling, extraction and treatment plants (steelworks and civil gen. Works). (i.e.: BASIL rig,- CERVIA ‘C’ offshore rig, TDS\_IDS\_RDDS Degaser and filter analisys.- Rivoira Ravenna plant – pressure vessels for N2 production –Garibaldi ‘A’ maintenance scaffold layout project – Casalborsetti gas station: design for civil works of new glycol storage tanks) / Mech. Analysis and detailed project for several pressure vessels for SAIPEM, ENI, PETROBEL, RIVOIRA).  
Several basic and detail projects for scaffolding in offshore maintenance operations.*
- *SISMI srl – Ravenna – design and detailed design for steelworks of new 5000 sqm shed.*
- *PLUS S.r.l. – Ravenna : Basic Draft and detailed design of special devices (electrical pedestal series SMART and CDM) suited for turistic*

harbour both with the techniques of plastic rotomoulding and steel cold forming. (<http://www.plusmarine.it/smart.aspx>)

- DAM spa – Ravenna : high speed Railroad – Bologna crossway – Hydraulic project of drainage system/ Civitavecchia harbour: revamping of existing pipeline for oil ships refilling service.
- SOECO srl – Milan – detailed design for a 12” PIG launching trap.
- TECNOTEAM srl – general consultant for Civil, steelworks & mechanical applications in gas & oil projects for several client (ENI, COSMI, DRILLMEC S.p.A. , FORES S.r.l. , MAERSK, PETROBEL-EGYPT, SFIR, COMART, BENELLI, FORES, DUEMME, Watech, AGIP, SAIPEM, COMART)
- SAT.C.S. (Milan) – Civil designs for installation of telecom. satellite antennas for Civil Protection duties on the roof of civil buildings.
- RANA DIVING S.r.l. – (Ravenna) - installation of offshore sealine spools for production rigs in Adriatic Sea – Lifting project and analysis.
- CAL DIVE INTERNATIONAL (Houston) – installation of offshore sealine spools for production rigs in Red Sea gulf – Lifting structural project and analysis. (<http://www.caldive.com>).
- COMART S.p.A. – Ravenna – Structural Projects for offshore Hejre skid project
- Bilfinger Water Technologies (ex DIEMMEfiltration S.p.A.) – Lugo (RA) – consultant for load cell operating displacement on 12 filterpress in Antwerp Port in Belgium/ Basic and detail design for special lifting beam for Filterpress GHT 2000 upper beams. (<http://www.diemmefiltration.com/en/dredged-sludge-filtration.html>)
- Multiservice S.r.l. - Ravenna – **basic design and detail** with production molding planning for 3 new types of PSV valves.

#### FARMACEUTICAL/MEDICAL RESEARCH:

- Project, prototyping and production (patented) of special devices (“Bosurgi cells” – Patent pending (\*)) for microscopic add-on in the electrophysiology research field.- Anti-vibration floating table; special arrangement for in live steel cage with continuous monitoring and others.
- Consultant for set-up of University research laboratories for Electrophysiology at Florence Univ.: Dept. di Farmacologia Pre / Clinica Mario Aiazzi Mancini - Rome: *Istituto Superiore di Sanità, Univ. La Sapienza*- Trieste: (SISSA), Ferrara University: Fisiologia & Pharmaceutical Dept.- Rome: EMBL– Verona University: Department of Neurological, Neuropsychological, Morphological and Movement Sciences,.

## **OTHER SPECIAL DUTIES EXPERIENCED**

- **ITALIAN MINISTRY OF FOREIGN AFFAIRS:** PALESTINIAN AUTHORITY  
Technical team leader supply in the project '*A systemic approach for solid waste management and a objective data base*'.
- **ITALIAN MINISTRY OF FOREIGN AFFAIRS** - EGYPT – Supervisor for civil and infrastructural works in the '*Strenghtening of rural health Services*' project;
- Expert for **Ravenna Court** in industrial and hydraulic civil suit.
- **University of Ferrara and Firenze, S.I.S.S.A. of Trieste, ISS** (national Institute of health) – research Institutes of pharmacology : ORIGINAL design and costruction of electro-mechanical devices for electrophysiology research laboratories -
- **EUROPEAN COMMITTEE** - inscribed in the list of experts for hydraulic and industrial projects with the serial number: cod.EE19981B10303.
- **ENI S.p.A.** – AGIPGAS div. – ORIGINAL basic and final design (\*), prototyping and construction of special equipment (Artificial Vision based) for full automation of GPL bottles filling plants. ((\*): Patent Pending) \_ Basic and detail design, construction and installation of automation devices for quality control of LPG bottles in ENI refilling plants. (inscribed in ENI vendor list # 156436).
- Basic and detailed Design of Special mobile LPG refilling station (patent pending) especially studied for hostile areas like desert, remote countries, natural disaster locations, etc.
- **CONS.MED Consortium For Mediterranean Coutries** – founding member and member of board of directors.

**(\*): Patented.**

----- § -----