

PERSONAL INFORMATION

Ing. Fabio Bonafini

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Sex Male | Date of birth 17/01/1979 | Nationality Italian

PRESENT POSITION

Project Sales & Technical Director

KEY INFORMATIONS

Experience in organizing technical seminars, from the content management to the venue organization. Together with the lead contacts management synergistic with the commissioning of the designed systems, in terms of:

- Balancing & Control
- Pressurization & Water Quality
- Thermostatic control
- **Energy Insights** (Energy saving calculation and pay-back analysis)

Sustainability aspects:

- Breeam Assessor
- Energy Manager

The long term experience in pay-back calculation gained during previous jobs lead to incorporate the pay-back time analysis in the Energetic revamping projects, where the Balancing & Control play a key role.

WORK EXPERIENCE

from 05/15 to PRESENT

**Project Sales (Sales Engineer) & Technical Director
IMI HYDRONIC ENGINEERING Srl**

IMI Hydronic Engineering is the leading global provider and recognised expert in hydronic distribution systems and room temperature control, with experience in more than 100,000 construction projects world-wide.

We help clients optimise their heating, ventilation and air conditioning (HVAC) systems by providing products and knowledge to deliver perfect indoor climate at minimum energy use and at the right energy cost. Our team of just under 2,000 people operate around the world, and we have design and manufacturing facilities in six countries.

Leading product brands: IMI HEIMEIER, IMI TA, IMI PNEUMATEX.

Specialties :Hydronic balancing, Thermostatic control, Pressurisation and water quality, Expert System Components

- Sales promotion with lead contacts
- OEM development (Fincantieri, Rhoss, Comisa and others)
- Project management (technical and commercial)
- **Hydronic College Associate for Italy**
- Commissioning & Service activities
- Technical support to customer (hydronic optimization and product seizing)

Business or sector Balancing & Control, Pressurisation & water quality and Thermostatic control producer

Target achieved Increase in turnover by 25% (2016 +48%)

Expansion of lead contacts (OEM, designers and installers)

Projects sales increase by more than 50%

from 09/14 to 05/15

Technical & Training Manager
IMI HYDRONIC ENGINEERING Srl

- Training organisation also together with Associations of Engineers (different location)
- **Hydronic College Associate for Italy**
- Sales support and lead contacts management
- Commissioning & Service activities
- Technical support to customer (hydronic optimization and product seizing)

Business or sector Balancing & Control, Pressurisation & water quality and Thermostatic control producer**Target achieved** Increase in turnover by 20%
Expansion of lead contacts (designers and installers)

from 09/13 to 8/14

Technical & Training Manager
TA HYDRONICS SA – IMI Plc group

- Training organisation
- **Hydronic College Associate for Italy**
- Commissioning & Balancing activities
- Technical support to customer

Business or sector Balancing & Control, Pressurisation & water quality and Thermostatic control producer**Target achieved** Over 400 attendees per year in technical seminars
Creation and organization of a Service network
Seminars development together with Grundfos and Cillicemie and Ordine Ing.

from 08/12 to 07/13

HVAC Technical ManagerCLIMAT S.r.l. (via Labirinto 153, Brescia – www.climat.it)

- HVAC system executive designing, construction site management

Business or sector Industrial HVAC systems installer

from 03/11 to 07/12

Office Design ManagerTURRA Engineering S.r.l. (via Cremona 10, Manerbio (BS) – www.gruppoturra.it)

- Office design manager (8 people)
- HVAC Lead Designer
- Breeam International Assessor
- Energy Manager

Business or sector Sports facilities, Office building, Residential and Energetic Revamping projects

from 09/08 to 03/11

Lead Mechanical EngineerTURRA Engineering S.r.l. (via Cremona 10, Manerbio (BS) – www.gruppoturra.it)

- HVAC designer

Business or sector Sports facilities, Office building and Residential

from 04/08 to 09/08

ResearcherUniversity of Bergamo (www.unibg.it) - Lab. Prova Materiali

- Experimental study on the Interchape's innovative cinder blocks – with Prof. G. Plizzari & Prof. P. Riva

Business or sector Innovation on materials with high insulation power and easy to install shape

from 1998 to 2009

Swim instructor

H2OUSE swimming-pool (Chiari, BS) – www.h2ohouse.it

- Swim instructor
- Since September 2007 coach and manager of the master competition swim team

Business or sector Swim coach

EDUCATION AND TRAINING

from September 2013 to
September 2014

Hydronic College boosting trainings

Hydronic College training offices – Different locations

Balancing and Control part 1 & 2 (Static and dynamic balancing issue and possible energy savings)

Pressurization & Water quality (How to seize pressure vessel, vacuum degasser, air&dirt separators)

Thermostatic Control (P-band, hysteresis, Δp control, seizing)

Pedagogic training (how to manage and present a seminar)

from March 2011 to April 2011

Energy manager

A.S.Pr.A. – Milan, Italy

- How to carry out successfully an Energy Audit;
- In-depth analysis of UNI CEI EN 16001;
- Economic methods to carry out a Pay-back time analysis.

16-17 December 2010

Hydraulic and Aeraulic distribution system's calibration and setting

AICARR School – Via M.Gioia 168, Milan, Italy

- TA01 – Collaudo e strumenti di misura;
- TA02 – Laboratorio di taratura e bilanciamento di reti idroniche (WATTS Educational Center).

12-14 April 2010

Breem International (Europe & Gulf) Assessor

Budapest, Hungary

- Breem Assessor course and license's accreditation.

February 4th 2009

Thermal solar panels system designing

AICARR School – Via M.Gioia 168, Milan, Italy

- ER01 – Il solare termico: fondamenti ed esempi applicativi.

May 15th 2009

Energy efficiency in Sports facility

C.O.N.I. Servizi – Acqua Acetosa, Rome, Italy

- L'efficienza energetica negli impianti sportivi in termini di illuminazione, climatizzazione e manutenzione.

November 20th 2008

Ventilation in-depth analysis

CARRIER Academy – Sant'Eufemia, Brescia, Italy

- Il trattamento dell'aria.

5-6 November 2008

HVAC systems for Healthcare facilities

AICARR School – Via M.Gioia 168, Milan, Italy

- S02 – Centrali termo-frigorifere, idriche e acqua calda sanitaria – Trattamento acqua – Conduzione e manutenzione.

8-9 October 2008

HVAC systems for Healthcare facilities

AICARR School – Via M.Gioia 168, Milan, Italy

- S01 – Impianti di climatizzazione e architettura dei sistemi impiantistici.

from 2005 to 2008

Civil Engineering – Structural Department

University of Brescia, DICATA – Brescia, Italy

Master in Civil Engineering

Dissertation (8 months long) – started in Scotland and completed in Italy

Studio sulla lunghezza delle armature nelle travi inflesse: analisi numeriche e confronti tra le normative

Study on the reinforcement length in beams: numerical analyses and comparison with building codes

Area of interest:

- Structural repairing of existing building (Restoring)
- Transports modeling and planning (advanced)
- Urban planning
- Structures designing and Earthquake designing (EC-8)
- Civil plant [renewable energy, heating plant, heat pump, District Heating (Teleriscaldamento)]

from 2006 to 2007

MEng in Civil Engineering

Heriot-Watt University – Edinburgh, Scotland, UK

Area of interest:

- Structure Repair and maintenance (Service life analysis (Chloride concentration, Frost attack), assessment and repairing of existing structure (like bridge)
- Structural designing (Flexibility method, Stiffness method and Plastic Design)
- Geotechnics (footings and pile foundation bearing capacity)

from 1999 to 2005

Civil Engineering

University of Brescia, DICATA – Brescia, Italy

Triennale (Undergraduate) in Civil Engineering

Dissertation:

Critical analysis of Piano Regolatore of Breno (BS) – Italy (The P.R.G. was the Italian main urban planning instrument)

Area of interest:

- Urban planning
- Structural designing
- Transportation engineering (road design)

from 1993 to 1998

Surveyor (Geometra)

I.T.G. “N. Tartaglia” – Brescia, Italy

Area of interest:

- Topography
- Economic estimations of buildings (Takeoff)
- Technical drawings
- Structural designing (basic skills)

PERSONAL SKILLS

Mother tongue Italiano

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2

Communication skills

- During the past three years I developed a good experience in presentations, both in Italian and in English, because of the many trainings organized as Hydronic College Associate;
- Predisposition to interpersonal relations matured during the swimming instructor’s career;
- During the social service’s year I developed a special sensibility to the architectural features that denies accesses to the handicapped people, and gained organisation skill since that I had to arrange work, during all the week, and study;
- Talk in front of a lot of people is not a problem because during the IT teaching and the Swim instructor jobs I developed good communicative skills;
- Presentations (15, 20 and 30 minutes) and written reports (3000 and 5000 words) are assessed as part of my course;
- IT teacher enabled me to develop public speaking skills and the ability to explain to others my know-how and my knowledge.

Organisational / managerial skills

- Leadership (during Turra Engineering working period I’ve been responsible for 8 people)
- Propensity to take the lead of a designing teamwork, matured during the time as office design manager;
- Ten year’s long experience in working team, within the swimming instructors team;
- Member of the university’s swimming club and before of the Italian juniores swim team;
- Experience to work with child and handicap people develop during the social service year.

Job-related skills

- Sustainability, Energy management (Life Cycle Costs) and Passivhaus;
- Bioengineering (Renewable energy, Plus energy house, bio-architecture, Ground source heat pumps);
- Seismic designing and adaptation (Capacity design, push-over analysis, Shear building design, Rayleigh-Ritz method);
- Structural designing (ULS designing of main structural elements);
- Structural repair of existing structures (degradation analysis (carbonation, frost attack, chloride) and consequent repair and strengthening).

Computer skills	<ul style="list-style-type: none">• Autocad 12 -> 2015 (2D & 3D)• Revit M&P (lead Turra Group from 2D to B.I.M.)• MC4 – 3D input software for heating and cooling loads calculation, regional energetic certification and 3D input of HVAC plants• Edilclima• CENED+ - regional energetic certification• Cinema 4D (Rendering)• Strauss (Seismic analysis)• QSE (structural analysing programme)• Vector (Finite Element Analysis program)• MathCAD (11 & 13)• Word processors (Word, Adobe Acrobat)• Excel (advanced level)• Photoshop (photo editing)• Google Sketch up• Network competence (FTP, IP, Routing)• Beta tester Microsoft (Windows XP, Vista, Office 2007, Direct X 9 projects)• Basic Webmastering (Frontpage & Dreamweaver) www.metarazionalitylig.it
Driving licence	B

REFERENCES

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