

PERSONAL INFORMATION

Tiziano Osnaghi



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Sex Male | Date of birth 26/05/1966 | Nationality Italian

JOB APPLIED FOR
POSITION

Experienced Mechanical Technician

WORK EXPERIENCE

- 2012 – present

Technical manager of R&D Mechanical team

ABB Italia S.p.A. Motors & generators Division – Vittuone (Milan) - Italy

- Member of R&D mechanical department with responsibility to study and develop MV explosion proof motors for COG market.
Position covered with direct report to R&D manager.
In this role is under my responsibility, coordination of dedicated team in charge to develop new products and maintain of the exiting "products series" (with hierarchical responsibility of the team)
I give support to order handling designers and validate the customized solutions according to customer request, developed on orders by them (in this case I have functional responsibility)
- Project manager and Project leader roles covered when develop new motors design or prototypes , with responsibility of :
Plan all the project activities (study, design, manufacturing, internal tests and external explosion tests, executed in certification laboratories in Italy or abroad)
Control advancement of project, costs and resources, at any step of the work in progress.
Organize meeting for the approval or informative on the project status with a global steering committee.(steering committee is composed by different rules of global ABB organization , Italian or foreign)
Prepare periodical reports to show to steering committee the advance of all activities, and prepare power point presentations for face to face or conference call meetings.
Responsibility of approval the mechanical technical solution developed in respect of the project target.
- Organize internal design review meetings, plan the tasks, coordinate internal and external resource, and train the colleagues or the sales people to new products features.
- Supports the Sales organization or customers in determining the most technically appropriate and cost-effective solutions and in the preparation of demanding offers. Provides technical support during the technical meeting, product presentations and negotiations and offers product/solution related training.

Business or sector : Electromechanical

WORK EXPERIENCE

- 1991 - 2012

Senior Mechanical Engineer, member of R&D mechanical department

ABB SACE S.p.A. – Vittuone (Milan) – Italy

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Member of research and development team, with responsibility of study and develop MV induction motors.

Development of products from concept to prototyping to manufacturing.

Elaboration of cross sectional/outline/construction drawings with CAD.

Able to evaluate and select appropriate production materials, dimensional tolerance & technologies.

Execution of mechanical calculation :

- Shaft fatigue verification
- Lateral critical speed
- Antifriction or sleeve bearing selection
- Design mechanical parts and assemblies (welded or screwed)
- Structural calculation
- Select appropriate fan for cooling system
- Evaluation the best configuration for offshore application
- Experience of FEM & CFD analysis.

Support on request the activities of the internal production or also of the external suppliers. Evaluation of nonconformity in production, for components not in according to specification and assess the consequently action.

Support the test field in order to take action in case of motor in test, with high vibration level, or high noise level, or high temperature etc.

Experience on select and design assembly of the accessories installed on the MV motors:

- Main terminal box
- Junction boxes
- PT100/Thermometer/ space heater etc.
- Vibration sensors (Velometer /accelerometer/proximity sensors etc.)
- Surge Arrester/Capacitor/CT's/Iris coupler etc.
- Cable glands

Knowledge of basic thermodynamic, f rotor dynamic, vibration analysis and acoustic concepts.

Business or sector : Electromechanical

EDUCATION AND TRAINING

1990

Technical diploma in mechanical engineering , issued by
Industrial Technical Institute & State "A.Bernocchi " Legnano (Milan-Italy).

Attended, "ABB university" courses for consolidate the role, you can give a look at
<https://it.linkedin.com/in/tiziano-osnaghi-a23b1745>

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Excellent verbal and written communication skills, both in an office environment and with external stakeholders.
 Experienced at giving presentations to large audiences.
 Teamwork: I have worked in various types of teams from research, engineering, sales and production personnel.
 Intercultural skills: I am experienced at working in a Multicultural team, due to a long time experience in working in Multinational firm.
 Support & Train worldwide sales and global technical support.

Organisational / managerial skills Excellent organizational and prioritization skills.
 Lead, supervise and coordinate teams (currently responsible for a team of 2 people and functional coordinator of a large team of order handling engineering).
 Attitude, to take decision according to responsibility.

Job-related skills Sales & After sales support competencies.
 Affinity for design and innovation.
 Problem solving attitude.
 Knowledge of IEC standard related to rotating electrical machine.
 Knowledge of main customer's specifications of COG markets (API, ARAMCO, SHELL etc.) and IEC/EN standards concerning to Hazardous area electrical components.
 Able to evaluate and select appropriate production materials, technologies, and suppliers.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER	PROFICIENT USER

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of Project planning tools (Project)
- Good command of 2D CAD (Autocad)
- Good command of SAP
- Sufficient command of 3D CAD (Inventor)

ADDITIONAL INFORMATION

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