


## Snehal Patel

B. E. – Electronics and Communication Engineering  
Assistant Manager - Project Engineering [E&I]  
Experience: 10+ years



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<b>PROFILE</b>	<p>An <b>Instrumentation Engineer / Project Cum Design Engineer</b> with documented success leading Green field and Brown field projects from initial design phase through deployment with expertise in the Energy (Oil &amp; Gas) Sector.</p> <p style="text-align: center;"><b>Key Skills</b></p> <p>Instrumentation Designing · Instrumentation Package Engineering · Detailed Project Specific Engineering · Engineering Project Management · Design Review· Engineering Planning Pre Bid Engineering · Techno Commercial Proposals · BOP (Balance of Plant) Design · Procurement Support · Testing &amp; Inspection · · Erection &amp; Commissioning Support ·</p>
<b>SUMMARY OF QUALIFICATIONS</b>          <b>PROFESSIONAL EXPERIENCE</b>	<ul style="list-style-type: none"><li>• An accomplished, proactive Instrumentation Engineer / Project Engineer with 10+ years of experience in Project Engineering, Design, Testing, O &amp; M and full Project lifecycle management.</li><li>• Well-developed communication skills demonstrated through effective interaction with engineers and crews, quickly acquiring new technical information, careful reading of instructions, drawings and blueprints.</li><li>• Highly articulate, demonstrating excellent interpersonal skills across all levels including the effective exchange of complex technical / manufacturing / industrial data.</li><li>• Good expertise practical knowledge as handled various projects successfully.</li><li>• Ability to take new challenging task, manage workload in an efficient manner.</li><li>• Sound technical knowledge and long insight towards innovative ideas and reasoning.</li><li>• Well conversant with various international standards like: IEC, IEEE, IS</li></ul> <p style="text-align: center;"> <b>Aerzen Machines India Pvt. Ltd. Vadodara, India</b></p> <p><b>Grade: Assistant Manager - Project Engineering (Electrical &amp; Instrumentation) (From Jan 2017 –till date)</b></p> <p><b>Job Responsibilities:-</b></p> <ul style="list-style-type: none"><li>• Review of customer Tender / BID for understanding specifications for Electrical requirements during enquiry phase and ensure compliance during order stage.</li><li>• Selection of electrical equipment i.e. Control Panels/ VFDs/ Motors etc as per requirement of customer specifications.</li><li>• Participate in customer and vendor meetings. Travel as and when required.</li><li>• Lead electrical part of the Projects independently with internal and external interface including data sheets and documentation reviews.</li><li>• Support cross functions i.e. Order Management, Field service, Design and Engineering departments as and when required.</li><li>• Familiarity with basics of instrumentation systems for the part of trouble shooting and customer support.</li></ul>

- Any other work that Head of Technology assigns in the interest of company.
- Erection, Installation & Commissioning of blowers, compressors for all projects
- Site support for Electrical and Instrumentation by phone /mail or by site visit.

## PROFESSIONAL EXPERIENCE

### **Aerzen Machines India Pvt. Ltd. Vadodara, India**

**Grade: Senior Executive-After Sales & Service (Electrical & Instrumentation)**  
(From March 2016 –Dec 2016)

#### **Job Responsibilities:-**

- Responsible for after sales market for Blowers, Compressors, Hybrid & Turbo Projects.
- Technical Support [Mechanical & Electrical & Instrumentation] to all types of customer in India or abroad.
- Responsible to generate new enquiries for blowers & compressors.
- Responsible for Installation, Erection, Commissioning, trouble shooting of all types of blowers & compressors on site.
- Execution of project on site. [Refer List of Major Projects]
- Customer Training for blowers & Compressors.

#### **PLATFORM AND TOOLS**

- SOFTWARE: AutoCAD 10-11-13-14, Cadison (R11), SPI ,SAP,Navision
- Microsoft Windows XP & 7, Microsoft Office (Word, XL, Power Point).

### **SIEMENS (Energy – Oil & Gas), Vadodara, India**

Grade: Project Engineer (Instrumentation)

**Instrumentation / Project & Design Engineer**  
(From March 2010 – Dec-2015)

#### **Job Responsibilities:**

- Responsible for Detail Design engineering activities for Energy – Oil & Gas Sector Projects.
- Developing design schemes, drawings & documents, ensure correctness of documentations in line with guidelines of SIEMENS internal standards as well as International Standards as applicable to customer specifications & requirements.
- Liaising with Customer / EPC Consultants on regular basis to ensure successful design, progress of engineering activities, technical discussions & approvals.
- Engineering Planning & monitoring engineering activities, project schedule & work load.
- Responsible for project completion on time within the given cost & capturing NCC (Non-Conformance Cost).
- Review with Project Management for timely execution of the projects.
- Monitor & support process improvements within engineering.
- Procurement Support including Preparation of Enquiries, Technical offers evaluations, Vendor drawings review etc.

#### **Project Execution:**

- Executing the project through co-ordination with Customer/consultants, various departments, sub-contractors, and sub-suppliers.
- Review of contract documents & seek clarifications, preparation & review of complete scope of supply & battery limits with the Customer.
- Interfacing with other engineering groups and collaborators / cooperation partners.

- Monitoring of engineering schedule to ensure completeness of the tasks within the time frame.
- Interact with vendors and supply chain personnel for Technical Negotiations, freezing the specifications & technical requirements IN ORDER TO MEET performance and contract specifications and the applicable codes and standards.
- Discuss with proprietary system vendors about requirements and systems offered by them and develop schemes.
- Follow up action with vendors for delivery and technical clarifications.
- Vendor assessment & development.
- Standardization of design specifications and purchase requirements, engineering activities to achieve reduction in engineering hours and better cost.
- Supervision of erection at site & commissioning support of systems.
- Supporting the site engineering team by clarifying the technicalities.
- Preparation of RCA (Root Cause Analysis report) and CAPA (Corrective And Preventive Action) plan.

**Carryout Designing & Detail Engineering activities as followings.**

- Preparation of Design concepts, Verification of Basic engineering documents.
- Preparation of Schematic drawings for Control Panels (Turbine Control Panel) Turbine Supervisory Panel & Turbine Gauge Board drawing.
- Instrumentation Cable Schedule, Interconnection Diagrams.
- Cable Tray Layout, Junction Box Drawing, Instrument Hardware Drawing, JB Location Drawing, DCS IO List, TG logics Drawing, Field Instrument List, System Writeup.

**Preparation of Technical purchase specifications and Evaluation of Technical offers.**

**Review of Vendor's Documents & Drawings for the following commodities:**

- Instruments [Pressure Gauge, Pressure Transmitter, Pressure Switch, Temperature Gauge, Temperature Transmitter, Temperature Switch, Temperature Elements (RTD & TC), Level Gauge, Level Transmitter, Level Switch]
- Turbine Supervisory Panel & Turbine Gauge Board Panel
- Various Instrumentation System [Vibration Monitoring System, Governor & Overspeed Protection System]

**Developing Engineering sizing calculations as followings.**

- Turbine Protection and safety datasheet
- AC-DC load calculation of Control Panels
- Preparation of Electrical load list/Feeder list [For Instrumentation Systems]

**Inspection & Testing of Following brought out Commodities.**

- Control Panels such as Turbine Supervisory & Turbine Gauge Board Panels
- Instruments [Pressure Gauge, Pressure Transmitter, Pressure Switch, Temperature Gauge, Temperature Transmitter, Temperature Switch, Temperature Elements (RTD & TC), Level Gauge, Level Transmitter, Level Switch]
- Turbine Control System [Vibration Monitoring System, Governor & Overspeed Protection System]

**Erection & Commissioning support:**

- Review of erection documents, Site Inspection and Test Plan / SAT & erection manual.
- Review of equipment operation & maintenance manuals and provide necessary

	<p>technical inputs / observations to commissioning team.</p> <ul style="list-style-type: none"> <li>• Work closely with clients during installation and commissioning, conducting hands-on training and troubleshooting through completion.</li> </ul> <p><b>Personnel:</b></p> <ul style="list-style-type: none"> <li>• Training &amp; Development of Individuals and leading the team of 2 engineers.</li> <li>• Conducting training for more than 1500 college students.</li> </ul>
<p><b>PREVIOUS EMPLOYER</b></p>	<p><b>Micon Automation Systems Pvt. Ltd, Ahmedabad</b> Grade: Marketing Executive (Automation Products)</p> <p><b>Marketing Executive (From Oct 2009 to Feb 2010 )</b></p> <p><b>Job Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• To develop New dealers in INDIA</li> <li>• Responsible for marketing of products and systems in western region</li> <li>• Responsible for process of Enquiry to the material dispatch</li> </ul> <p><b>Masibus Automation &amp; Instrumentation Pvt. Ltd, Gandhinagar</b> Grade: Service Engineer ( All Masibus Products )</p> <p><b>Service Engineer (From Dec 2007 to Oct 2009 )</b></p> <p><b>Job Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• To support all customer for all masibus products in INDIA</li> <li>• Also inform NCC to the R&amp;D department for designing new products</li> <li>• Responsible for calibration of all Products</li> <li>• Responsible for the Process of Products repairing to dispatch to customer</li> </ul>
<p><b>ACHIEVEMENTS</b></p>	<ul style="list-style-type: none"> <li>• Individually executed more than 20 projects for Steam Turbine Generator Package and Off shore Oil &amp; Gas platforms.</li> <li>• Provided extended technical support for manufacturing in-house Control Panels.</li> <li>• Successfully develop new vendors for cost effectiveness.</li> <li>• Handled multiple responsibilities of Project / Instrumentation Engineer, System designing.</li> <li>• Standardized the layouts &amp; Engineering documentation.</li> <li>• Turbo Blower Training @ Aerzen Turbo, South Korea</li> </ul>
<p><b>LIST OF MAJOR PROJECTS</b></p>	<p><b>Title:</b> RELIANCE- J3 (LDPE &amp; LLDPE &amp; PX4- Blowers &amp; Compressors)  <b>Title:</b> RELIANCE, PATALGANGA ( Blowers)  <b>Title:</b> DCW LTD (Compressors)  <b>Title:</b> MCNALLY NTPC, TELANGANA (Compressors)  <b>Title:</b> WELSPUN LTD (Compressors)  <b>Title:</b> COLGATE ( HYBRID Blowers)  <b>Title:</b> LANXESS (Blowers)  <b>Title:</b> GSFC, VADODARA (Blowers)  <b>Title:</b> BCPL, ASAM (Compressors)  <b>Title:</b> BASF, DAHEJ (Compressors)  <b>Title:</b> TRIDENT, BUDHNI (Blowers)  <b>Title:</b> HINDALCO, SINGRAULI (Blowers)  <b>Title:</b> BOMBAY DYEING, PATALGANGA (Compressors)  <b>Title:</b> J.K.CEMENT, GOTAN (Blowers)  <b>Title:</b> ULTRATECH CEMENT, GOTAN (Blowers)  <b>Title:</b> SABIC, VADODARA (Blowers)  <b>Title:</b> JSW, Dolvi ( Gas Boosters)  <b>Title:</b> MACAWBERINDIA (Compressors)</p>

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**Title:** RELIANCE- J3 (4 X 67 MW — DTA & SEZ-SPI )  
**Title:** CVL-GARDEN SILK ( 21 MW STG set & Auxiliaries)  
**Title:** ABG ENERGY-BHUJ & SURAT ( 25 MW STG set & Auxiliaries)  
**Title:** DIVINE VIDYUT ( 15 MW STG set & Auxiliaries)  
**Title:** GIRIJA ALLOY & POWER (I) PRIVATE LIMITED  
(2 X 36 MW TG Set & Auxiliaries)  
**Title:** LAKE CEMENT LTD (10 MW STG set & Auxiliaries)  
**Title:** THERMAX-HANJER GREEN (15 MW TG Set & Auxiliaries)  
**Title:** SILKROAD SUGAR (10MW TG Set & Auxiliaries)  
**Title:** EMAMI PAPER (10 MW TG Ste & Auxiliaries)  
**Title:** SITSON KRISHNA SSK (15 MW TG Ste & Auxiliaries)  
**Title:** RELIANCE- J3 (4 X 67 MW — DTA & SEZ-SPI )  
**Title:** ANDHRA ORGANICS (4.8 MW TG Ste & Auxiliaries)  
**Title:** COVALENT LABORATORIES (4.8 MW TG Ste & Auxiliaries)  
**Title:** VASANT RAO KALE (8 MW & 10 MWTG Ste & Auxiliaries)  
**Title:** IJT- GREEN POWER (30 MW TG Ste & Auxiliaries)  
**Title:** ENMAS- TULSYAN (30 MW TG Ste & Auxiliaries)

**EDUCATIONAL  
QUALIFICATION**

Discipline: **Bachelor of Engineering – Electronics & Communication**  
University: **Saurashtra University, Gujarat, India**  
Passing Year: 2007  
Percentage: 59.00 %

Discipline: **H.S.C.**  
University: **G.S.H.S.E.B.**  
Passing Year: 2003  
Percentage: 60.88 %

Discipline: **S.S.C**  
University: **G.S.E.B.**  
Passing Year: 2001  
Percentage: 86.86 %

**PERSONAL  
DETAILS**

Full Name: Snehalkumar Parsottambhai Patel  
Date of Birth: 30<sup>th</sup> August 1985  
Marital Status: Married  
Children: A baby Girl [5 years old]  
Language: English (Fluent), Hindi (Fluent), Gujarati (Fluent)  
Nationality: Indian  
Passport Details : Valid Indian Passport

\*\*\* Reference: Specific references will be made available if required

