

# MITESHKUMAR DHANSUKHBHAI LAD

Maliyadhara, Kumbharvad, Ta-Chikhli, Dist: Navsari

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## MIDDLE MANAGEMENT PROFILE – DESIGN & ENGINEERING (E&I AND CONTROL SYSTEMS)



Electronics & Communication engineering background and **14+ years'** experience with engineering & contracting companies across **Gulf & India**. Expertise in basic design, detail engineering, construction, and commissioning phases Electrical (electrical power & controls) and I&C (Field Instruments, Control & Automation) packages of industrial projects. Effective leader & team player with excellent interpersonal, communication, analytical, problem solving & people management skills; and ability to manage technical interface with multiple stakeholders.

### Areas of Expertise

- Layout/Schematic Design
- Basic/Detailed Engineering
- Drawings & Documentation
- Technical Submissions Review
- Inspection/Testing (FAT/SAT)
- Pre-commissioning Checks
- Commissioning & Handover
- Control System Engg (PLC/DCS)
- Control Interface Engineering
- Quality Assurance & Control
- Performance Management
- Team Management/Leadership

## KEY FUNCTIONAL SKILLS

### Basic & Detail Engineering

- Lead development of Control panel design, Electric schematic design, Electrical load calculation for the control panel, Logic circuits design (E&I), Control System design, BOQ & Specification (E&I, DCS & PLC), Data sheets, I/O summary, Cable schedules, Instruments Index etc.
- Compile and review internal engineering submissions and process for approval.

### Drawings & Documentation

- Manage preparation of Cable Loop interconnection termination drawings, Control panel equipment layout drawing, Field instruments site layout drawing, Cable duct layout drawing, Hook-up drawing, Junction Box Drawing DCS architecture drawing, Control panel GAD, Power distribution drawing, IO module wiring drawing, Functional logic diagram, Loop diagram, Control narratives, Modbus communication list, Material Requisition (MR) for ICA, handover documents (as-built drawing, O&M manual), FAT documents etc.
- Review internal drawings and documents as well as vendor drawings before submission for approval.

### Installation, Testing & Commissioning

- Installation and commissioning of various instruments like flow meters, pressure, temperature, level transmitters and switches.
- Perform control system inspection, QA testing, PLC programming and HMI interfacing.
- Carry out on line and off line loop checking of field instruments with control system.
- Powering up of all field instruments, configuration and calibration
- Support commissioning field instruments & control system.

## ONGOING EXPERIENCE

### Sr. Assistant Manager-Design & Control System E&I

Panorama Contracting and Engineering Services WLL – Bahrain

Jan 2013 - Present

### Projects

- **Since 2019: Water Transmission Project Associated with Al Dur IWPP Phase II - Capacity Enhancement works at Al Dur FS**  
*Scope of work:* Design, supply, installation, commissioning and hand over the ICA scope of Work. The project consists of 400 hardwired IO's and 500 IO's on serial communication (Modbus RTU) and serial communication on IEC-101 protocol with Water control centre (WCC). It also has MOV's, Chlorination control system, UPS etc. connected to the PLC on serial communication. The SCADA are on Control net.  
*PLC:* ALLEN BRADLEY MAKE PLC - CONTROLOGIX, COMPACTLOGIX, FT VIEW ME, FT VIEW SE etc. in redundancy.
- **Since 2016: Water Transmission Development Project - HIDD FS, SKBS DS and Connection works at Hidd BS & Samahij BS**  
*Scope of work:* Design, supply, installation, commissioning and hand over of the ICA scope of Work. The project consists of 2500 hardwired IO's and 3500 IO's on serial communication (Modbus RTU) and serial communication on IEC-101 protocol with Water control centre (WCC). It also has MOV's, Chlorination control system, UPS etc. connected to the PLC on serial communication. The SCADA are on Control net.  
*PLC:* ALLEN BRADLEY MAKE PLC - CONTROLOGIX, COMPACTLOGIX, FT VIEW ME, FT VIEW SE etc. in redundancy.

- 2016 – 2018: Diyar Al Muharraq Water Transmission Scheme (Water Distribution Station at Site A)**  
*Scope of work:* Design, supply, installation, commissioning and hand over of the ICA scope of Work. The project consists of 2000 hardwired IO's and 3000 IO's on serial communication (Modbus RTU) and serial communication on IEC-101 protocol with Water control centre (WCC). It also has MOV's, Chlorination control system, UPS etc. connected to the PLC on serial communication. The SCADA are on Control net.  
 PLC: ALLEN BRADLEY MAKE PLC - CONTROLOGIX, COMPACTLOGIX, FT VIEW ME, FT VIEW SE etc. in redundancy. :
- 2013 – 2015: Water Transmission Development Project - Water Station Elevated Service Reservoirs**  
*Scope of work:* Design, supply, installation, commissioning and hand over of the ICA scope of Work. The project consists of 1200 hardwired IO's and 2000 IO's On serial communication (Modbus RTU) and serial communication on IEC-101 protocol with Water control centre (WCC). It also has MOV's, Chlorination control system, UPS etc. connected to the PLC on serial communication. The SCADA are on Control net.  
 PLC: ALLEN BRADLEY MAKE PLC - CONTROLOGIX, COMPACTLOGIX, FT VIEW ME, FT VIEW SE etc. in redundancy.
- 2013 – 2016: Water Transmission Development Project - Al Dur FS, 20 MIG Storage Tank and Modification Works at West Riffa'a II BS and Refinery DS**  
*Scope of work:* Design, supply, installation, commissioning and hand over of the ICA scope of Work. The project consists of 1500 hardwired IO's and 2500 IO's on serial communication (Modbus RTU) and serial communication on IEC-101 protocol with Water control centre (WCC). It also has MOV's, Chlorination control system, UPS etc. connected to the PLC on serial communication. The SCADA are on Control net.  
 PLC: ALLEN BRADLEY MAKE PLC - CONTROLOGIX, COMPACTLOGIX, SLC, MICROLOGIX 1100, FT VIEW ME, FT VIEW SE etc. in redundancy.
- 2013 – 2015: Al Areen and Al Salaam developments and Capacity enhancements at Hamad Town Blending & Distribution stations at Bahrain**  
*Scope of work:* Design, supply, installation, commission and hand over the ICA scope of Work. The project consists of 2000 hardwired IO's and 3000 IO's On serial communication (Modbus RTU) and serial communication on IEC-101 protocol with Water control centre (WCC). It also has MOV's, Chlorination control system, UPS etc. connected to the PLC on serial communication. The SCADA are on Control net.  
 PLC: ALLEN BRADLEY MAKE PLC - CONTROLOGIX, COMPACTLOGIX, SLC, MICROLOGIX 1100, FT VIEW ME, FT VIEW SE etc. in redundancy.

**Sr. Project Engineer (E&I), Singhania System Technologists Pvt. Ltd. – Mumbai, India**

**Jun 2008 – Dec 2012**

Key Projects

- Hot Gas Generator @ RINL, Vizag Steel Plant.**  
*Project Scope:* Provisioning of PLC (Siemens S7200) and HMI based BMS Control Panel  
*Responsibilities*
  - ✓ Planning and Design of operation.
  - ✓ Electrical logic circuit design in E plan.
  - ✓ PLC programming.
  - ✓ QA Testing, erection, and commissioning of the system.
- Inert Gas Generator @ Qatrania Cement – Jordan & UAE (Client - Pfeiffer India)**  
*Project Scope:* Provisioning of ABB AC500 PLC & HMI Based Control Panel  
*Responsibilities*
  - ✓ Planning and Design of operation.
  - ✓ CAD drawings for the designed parts.
  - ✓ Electrical logic circuit design in E plan.
  - ✓ Debugging PLC Program.
  - ✓ System Inspection and QA testing.

**PREVIOUS EXPERIENCE**

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**Electrical Engineer, SR System (Authorized system house of Siemens Ltd.) – Mumbai, India**  
**Machine Operator & Maintenance, Abacus Peripherals Pvt. Ltd. – Daman, India**

**Jun 2007 – May 2008**  
**Apr 2006 – Feb 2007**

**CREDENTIALS**

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Education

- Diploma in Electronics & Communication Engineering**, Dr. J.N. Mehta Govt. Polytechnic, Gujarat, India, 2006.

Training & Courses

- 4 months industrial training at Suzlon Energy (during final year of Diploma course), Daman, Gujarat, 2005 – 2006.
- Prolific "Certified Automation Engineer" training Course at Thane, Mar 13 – Jun 30, 2007.  
(PLC, DCS,, SCADA Software, Variable Speed Drive, Industrial Management, Panel Designing)
- Customer Training in Auma Actuators and Gear Boxes at Auma Office Bangalore, Oct 13 – Oct 15, 2011.
- Computer Foundation Course at RAS Computer Classes Institute, Apr 10 – Jun 10, 2003.
- C Programming course at LCC (Lakhotia Computer Centre institute), Sep 2003.

#### **Computer Proficiency**

- AutoCAD, E-plan Electric p8, MS Office Suite, Microsoft Outlook, Photoshop and all General Computer Operations.

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### **PERSONAL PARTICULARS**

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- **Date of Birth:** January 01, 1986.
- **Languages:** English, Hindi, Gujarati, and Marathi.
- **Nationality:** Indian
- **Passport Status:** No. N1656788, valid till 15/02/2026.
- **Visa Status:** Work RP visa.
- **Location Preference:** Bahrain, Canada, Singapore, UAE, Muscat, Qatar.