

Udit Sahai

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OBJECTIVE

Experienced Project Engineer with a proven track record of excellence in the field of industrial automation. With a strong background in Process Control, Distributed Control System (DCS), PLC Programming, Instrument Control, and Process Automation, I have successfully executed numerous projects that have optimized operational efficiency, reduced downtime, and enhanced overall system performance.

EDUCATION

- **Babu Banarasi Das Northern India Institute of Technology** Lucknow, India
Bachelor of Technology - Electrical Engineering; PERCENTAGE: 74.3
Courses: Networking, Core Electric, PLC
Aug 2018 - Sep 2021
- **Hindustan Institute of Technology and Management** Agra, India
Diploma - Electrical Engineering; PERCENTAGE: 68.90
Aug 2015 - July 2018
- **Sanatan Dharm Inter College** Varanasi, India
10th: PERCENTAGE: 74.16
July 2014 - May 2015

SKILLS

- **Honeywell EPKS DCS:**
 - Performing Hardware FAT, Performing Software FAT, Site Activities, Machine Installation, Migration Projects.
- **Logic Development-Honeywell DCS platform:**
 - Series C-300 DCS.
- **Others:**
 - Preventive Maintenance, Curative Maintenance, Loop Testing, Site Survey, P&ID, IO assignment preparation, MS Excel, MS PowerPoint

EXPERIENCE - Total: 2 Years

- **Cotmac Electronics PVT.LTD (Currently Working)** Pune, India.
Project Engineer (Full-time) Currently working

Honeywell DCS Platform -Below are my deployment snaps.

- **Project-1: Hardware Migration Spare Add-on - C300**
- **End user:** GACL Daheij Gujarat
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * Take backup for Existing Controller C300 System & Check readiness of Existing Base frame.
 - * Logic & Graphics Modification on Site as per customer's requirement.
 - * PGM Configuration.
 - * Supervision of Laying & Connection of FTA cable from new FTA to new PMIO Modules.
 - * Supervision of Laying & Connection of MTP cable from System Cabinet (Series C Modules).
 - * Configuration of new IO Modules in Control Builder and take card in-line.
 - * Preparation of HDM (Hardware Design Manual) for the project scope.
 - * Logic and graphics checking with the customer.
 - * Cold loop checking.
 - * System power on as per power-on checklist.
 - * Cabinet testing and troubleshooting.
 - * MOM Signed off Activity

- **Project-2: LM to C300 Migration**

- **End user:** ACC WADI

- **Role:** Project Development & Handling as a Project Engineer

- **Responsibilities:**

- * Logic Development as per PRN logic philosophy
- * Preparation of IO assignments and Bill of material
- * System and marshaling Cabinet instantiation as per control room layout
- * Preparation of cable schedule and Loop schematic
- * IO module configuration & Channel assignment and take module inline
- * Cold loop and hot loop checking
- * Bulk edit and bulk build parameter
- * Logic and graphics checking with customers
- * System power on as per power-on checklist
- * Cabinet testing and troubleshooting
- * MOM Signed off Activity

- **Project-3: Hindustan zinc limited**

- **End user:** Hindustan zinc limited

- **Role:** Project Development & Handling as a Project Engineer

- **Responsibilities:**

- * DSA Server Migration & DSA Configured.
- * EBR Machine Configured.

- **Project-4: Hardware Migration Add-on DCS-C300**

- **End user:** Hindalco Renukoot.

- **Role:** Project Development & Handling as a Project Engineer

- **Responsibilities:**

- * Take backup for Existing Controller C300 System
- * Logic Modification on Site
- * System and marshaling Cabinet instantiation as per control room layout
- * Preparation of cable schedule and Loop schematic
- * Supervision of Laying & Connection of FTA cable from new FTA to new PMIO Modules
- * IO module configuration & Channel assignment and take cards in-line
- * Preparation of HDM (Hardware Design Manual) for the project scope
- * Logic and graphics checking with customers
- * Cold loop and hot loop checking
- * System power on as per power-on checklist
- * Cabinet testing and troubleshooting
- * MOM Signed off Activity

- **Project-5: Liom TO C-300 Migration**

- **End user:** Tamilnadu newspaper & paper limited, Kagithapuram

- **Role:** Project Development & Handling as a Project Engineer

- **Responsibilities:**

- * Logic Development as per PRN logic philosophy
- * Graphic development linking and testing
- * Preparation of HDM (Hardware Design Manual) for the project scope
- * Controller firmware upgrade
- * Hardware testing and preparation of bill of material for site dispatch.
- * Check newly supplied marshalling cabinet for site dispatch.

- * IO module testing, Loop check and Hardware troubleshoot during FAT
- * Complete FAT as per FAT procedure in Honeywell automation India Limited CIC Center, Pune.
- * MOM Signed off Activity
- **Project-6: On Process Migration (OPM) C300 Migration R400 to R520(Release Migration)**
- **End user:** ArcelorMittal Nippon Steel India Paradeep,
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * System Installation
 - * System Migration, Controller Migration & Firewall Migration
 - * DCS Application Development (Logic Migration)
 - * Graphics Migration, Linking & Testing
 - * Preparation of HDM (Hardware Design Manual) for the project scope
 - * Hardware Testing & Preparation of Bill Of Material for site dispatch
 - * Onsite Hardware/Software installation & Commissioning & SAT
 - * **Received an appreciation letter on Paradeep deployment from Arcelor Mittal Nippon Steel Plant**
 - * MOM Signed off Activity
- **Project-7: Site Service Support**
- **End user:** OAPL Dahej, SRP Dahej, ONGC Suraj, Gujarat Gas Hazira, ONGC Mehsana
- **Role:** Site Engineer
- **Responsibilities:**
 - * Check System Healthiness.
 - * Check System Healthiness.
 - * Check Server Healthiness
 - * Graphic Modification.
 - * Troubleshooting System.
 - * Field MICC Report on behalf of preventive maintenance & corrective maintenance
- **Project-8: Hardware Migration & Spare Add-on - C300**
- **End user:** IOCL Vadodara (GUJARAT)
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * Take backup for Existing Controller C300 System & Check readiness of Existing Base frame
 - * Preparation of HDM (Hardware Design Manual) for the project scope
 - * Hardware Testing & Preparation of Bill Of Material for site dispatch
 - * Installation of newly Supplied Marshaling cabinet
 - * Installed newly Supplied FTA with carrier mounting assembly in an Existing Marshaling cabinet & FTA Tray PVC Ducklet, TB, Din Rail
 - * Supervision of Laying & Connection of FTA cable from new FTA to new PMIO Modules
 - * IO module configuration and Channel assignment and take cards in-line
 - * MOM Signed off Activity
- **Project-9: Green Field Development (C300 DCS).**
- **End user:** Nalco Angul
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * DCS Logic development.
 - * Graphics development, linking, and testing.

- **Project-10: On Process Migration (OPM) C300 Migration**
- **End user:** Jindal Steel & Power Odisha.
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * System Installation
 - * System Migration & Controller Migration
 - * DCS C-300 (Logic Migration)
 - * Graphics Migration, Linking & Testing
 - * Preparation of HDM (Hardware Design Manual) for the project scope
 - * Hardware Testing & Preparation of Bill OF Material for site dispatch
 - * Onsite Hardware/Software installation & Commissioning & SAT
 - * MOM Signed off Activity
- **Project-11: On Process Migration (OPM) C300 Migration R400 to R520 (Release Migration).**
- **End user:** Indorama India Private Limited -Lucknow
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * System Installation
 - * Graphics Migration, Linking & Testing.
 - * Onsite Hardware/Software installation & Commissioning & SAT
 - * MOM Signed off Activity
- **Project-12: Green Field Development (C300 DCS).**
- **End user:** Hindalco Renukoot
- **Role:** Project Development & Handling as a Project Engineer
- **Responsibilities:**
 - * Preparation of IO assignment and identification of the type of inputs.
 - * Logic development.
 - * Graphics development, linking, and testing.

EXTRA-CURRICULAR ACTIVITIES

- Journal of Alternate Energy Sources & Technologies.
- Certified for participating in International Conference on Modern Approaches in Engineering, Science and Management
- Certified by 5th prestigious IEEE national level project competition in 2021 on my renewable energy project to cope up with energy demand in remote area named as “National Power Supply to School in Remote Area

LANGUAGES

- English (Professional Working Proficiency)
- Hindi (Native)