



SYED HASAN YOUSUF NAQUI

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Personal statement

I am a conscientious and professional automation engineer with extensive experience in plant process automation, design and commissioning. I am highly organised and efficient individual, whose thorough and precise approach to projects has yielded excellent results. Recent achievements with my current employer include the integration of multiple processes monitored and controlled with a unified system.

Key Skills

- **Languages** : Simatic PCS7 v7.1 to v8.2, SINAUT CS7, TMS v1.4 to v2.3, WinCC, C++, Visual C#, Oracle 8i and 10g
- **Engineering Tools** : PLC programming on Step7 in PCS7 Environment (Advanced)
- **Operating Systems** : Linux, MS DOS, Windows 9x / Me / XP / Vista / 7 / 10 / Server 2000 / Server 2003 / Server 2008, Hypervisor / Virtual Environments
- **Others** : Adept at using graphics software like Macromedia Dreamweaver, Fireworks, Microsoft Office Suite (all versions)
- Excellent communication skills, both written and verbal and quick learner

Employment History

Automation Engineer Offshore, Siemens W. L. L., Qatar

(January 2019 – present)

Process and Drives Solutions – Operation and Engineering

I have begun my role here as an Automation Engineer for Offshore platforms. I am integrating new solutions with the team here with my previous experience and to maintain current standard requirements from the customer.

Senior Automation Engineer, Siemens Limited, Saudi Arabia

(November 2015 – January 2019)

Process and Drives – Operation and Engineering

Achievements and responsibilities:

- Lead Engineer for Terminal Management Systems (TMS) for Saudi Arabia.
- Design and validate technical offers and costing for new projects.
- Prepare and execute project design, engineering, and commissioning.

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- Coordinate technical meetings and compile information for project team.
- Train engineers in TMS systems in training facilities and on live plants.
- Collaboration between customers, proponents, and project management team for smooth execution of projects and achieving milestones in timely manner.

Projects Executed:

- North Riyadh Bulk Plant and Tank Farm SCADA replacement project. I was directly involved in ensuring a smooth cutover and successful commissioning on SIEMENS PCS 7 v8.0 automation system. Due to high demand of fuel for Riyadh, we completed the receiving facility in tank farm 8 hours before the expected deadline. Full integration with SIEMENS PLC, ESD, TMS, and HMI was tested and delivered to the customer. I was directly involved in PCS7 engineering and TMS engineering.
- Qassim Bulk Plant and Tank Farm SCADA replacement project. Similar to North Riyadh Bulk Plant upgrade, we commissioned Qassim Bulk Plant within 2 weeks after North Riyadh project.
- North Jeddah New Shipping Line for Airport Expansion. I was assigned as Lead Engineer to overlook the entire project lifecycle from design, engineering, testing, to commissioning. This project was executed with 5 different vendors where SIEMENS DCS system was master and close coordination with other vendors was key to its success.
- Automation of Ras Tanurah Bulk Plant Asphalt and Sulfur Loading Facility. This plant was operated solely by manual operation. I was assigned as Lead TMS engineer responsible to ensure PCS7 v7.2 SP4 and TMS is properly integrated and operational in the plant. This plant was a pilot plant for our new TMS system and was the first plant to be fully automated with Weigh-scale operation.
- Qatif Diesel Bulk Plant with EBOL. Electronic Bill of Lading was a new paperless project initiated by Saudi Aramco. The purpose of EBOL was to eliminate the need of printing BOL after loading and offloading operation. I was assigned as Lead Country PCS7 v7.1 SP2 and TMS engineer to overlook this project from testing to commissioning with support from Siemens Germany and TMS development team in Karlsruhe, Germany.

Project Automation Engineer, Siemens Limited, Saudi Arabia

(January 2008 – November 2015)

Oil and Gas Department

Achievements and responsibilities:

- Preparation of pre-commissioning test plans and commissioning procedures of Bulk Plants.
- Supervise drawings for hardware of PLC/Marshalling cabinets and wiring required thereof.
- Programming the HMI environment to correspond with PLC logic and HMI graphic to reflect actual status of equipment running in field.
- Prepare graphics on SCADA (using WINCC) for the respective process and integrating SCADA through PCS7 system.
- Communicating with third party interface like MODBUS, SERIAL SERVERS.
- Punch listing the completed systems, testing, pre-commissioning and commissioning the DCS as per the procedures, drawings, vendor documentation.
- Conduct factory acceptance and site acceptance test as per the requirement of project specifications.

Projects Executed:

- Team Lead in Additional Capacity Phase II expansion of 10 Saudi Aramco Bulk Plants to meet consumer energy demands under directive of Saudi Government. Migration from CS7 v4.01 to PCS7 v7.1 for 5 Bulk Plants.
- Successfully engineered and commissioned control system unit (DCS and HMI) for all bulk plants of Saudi Aramco.
- Successfully implemented various CRPOs as per client's request on all bulk plant sites in Saudi Arabia
- Designing / Commissioning Scada system for Waste Water upgrade.
- Additional Capacity Phase II project engineering was completed for 5 Bulk Plants in the Kingdom of Saudi Arabia. I was directly assigned as PCS7 and TMS engineer for 4 Bulk Plants and Lead Engineer for 1 Bulk Plant where I designed and engineered the system on PCS7 v7.1 SP2 migrating from CS7 v4.01.

Education

Faculty of Basic and Applied Sciences / Air University (Islamabad, Pakistan)

(September 2003 – August 2008)

Bachelors of Software Engineering:

- Major: Software Engineering
- Minor: Electronics
- Study: Artificial Intelligence and Digital Image Processing

International Schools Group (Formerly Rahima Academy) – Dammam, Saudi Arabia

(September 1999 – June 2003)

American High School Standard – accredited by Middle States Association of United States

- Diploma with High Honor ranking

Rahima Academy – Ras Tanurah, Saudi Arabia

(September 1992 – June 1999)

American High School Standard – accredited by Middle States Association of United States

- Secondary Education

Projects / Workshops Undertaken:

PCS 7 in Practice Session 67 – July 2017 (30-Day Training)

WORKSHOP TITLE: PCS7 in Practice (PiP) Workshop. Training was conducted by Arno Wagner in Karlsruhe, Germany. In the AS and OS engineering part, a PCS 7 project was developed from the presales phase to the FAT. Participants were given advanced to expert knowledge on PCS 7.

TMS v2.3 Admin Training – November 2016 (7-Day Training)

WORKSHOP TITLE: Advanced TMS v2.3 Training in PCS7 v8.0 Environment. Training was conducted by Lead TMS Manager Mrs. Monica Hildinger, Karlsruhe, Germany.

CS7 v5.01 Admin Training – January 2017 (7-Day Training)

WORKSHOP TITLE: Advanced CS7 v5.01 Training. Training was conducted by Lead CS7 Engineer Mr. Uwe Podschadly, Karlsruhe, Germany.

DCS Implementation in New Bulk Plants in Saudi Arabia: (September, 2013 – To Date)

PROJECT TITLE: Implement latest SCADA system in new Bulk Plant facilities in Saudi Arabia.

TMS Additional Capacity Phase II: (March, 2011 – September, 2013)

PROJECT TITLE: PCS7 Upgrade and Expansion of Loading / Offloading Operations.
PROJECT SUMMARY: Executed major projects in all Bulk Plants of Saudi ARAMCO all over the kingdom. I was team lead in designing, engineering, and commissioning of PCS7 upgrades on 5 major bulk plant facilities from CS7 v4. In parallel, continued expansion of 12 remaining Bulk Plants running on CS7 v5 with major upgrades to loading / offloading skids and expansion of an average 6 skids per plant.

PCS7 Batch Management: (March 12, 2011 – March 15, 2011)

PROJECT TITLE: Batch Process Management and Engineering on PCS7 systems.

TMS Waste Water Management: (February, 2009 – March, 2010)

PROJECT TITLE: Waste Water Management System.
PROJECT SUMMARY: I was responsible to design, engineer, and commission 17 Bulk Plants with upgraded waste water management systems. We implemented CPI and MBR facilities in the bulk plants in order to facilitate the Green Initiative taken up by our clients. The system comprised of additional PLCs and Control Cabinets, wiring, networking, and instrumentation control via existing HMI running on the plants. The purpose of this project was to clean the oily/waste water produced from these plants and to transfer the cleaned water to agricultural areas for irrigation purpose.

TMS On-Call Support: (February, 2008 – To date)

PROJECT TITLE: Life Cycle Management and On-Call technical support for all Bulk Plant installations in the Kingdom of Saudi Arabia

Strengths

- Responsible.
- Able to effectively manage / lead teams with 5+ members.
- Ability to work independently or as a member of a team.
- Strong communication skills.
- Adaptability to new environments.
- Fast learner and focus on implementing best engineering practices in my work.
- Actively mobile at national and international level.

Achievements and Awards

- Certificate of Excellence awarded from customer for exceptional project execution in Western Region

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- Certificate of Appreciation awarded from customer for professional services rendered in Eastern Province
- Security and Information awareness certificates awarded by Siemens
- Member of Rotaract Club of Islamabad / Afghanistan during University tenure
- Captain of University Volleyball Team

Personal Information

- **Year of Birth:** 1985
- **Gender:** Male
- **Nationality:** Pakistani
- **Languages known:** English, Urdu, Basic French (non-conversational)

References

References are available upon request.