



Professional Career's Detailed History:

Current Company Name: Oil & Gas, Siemens LLC, Abu Dhabi, UAE
Since April 2011 till Today.
Last Designation: Sr. Lead Engineer.

Energy Oil and Gas Services

SIEMENS

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Summary:

Industrial Electronics Engineer with 16 years of I&C project design experience in 22 projects from O&G(ICSS/Pipeline/ESD), Power (Power Plant/SubStation /BOP/ ELMS), Water (WTP, Tunnel etc) and Food & Beverages(Milk/Juince).

My process control experience include experience in

- PLC: Simatic 200, 1200, S7-300 & 400HF series, Schneider's Twido to Schneriders Quantum range.
- HMI: WinCC, Intouch, MonitorPro
- Programming tools: PCS7, Step7, PL7 Pro, Concept, TIA Portal, Microwin.

Contact:

Senior Lead engineer,
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22.) ADMA Switchgear & Power Management System..... Sep 2015

Responsibilities: Project Controls Lead, & Basic Engineering.

System Components: PCS7 System (with multiserver Architecture), S7-417H, ET200M.

21.)ADGAS Power Management system Project..... Oct2014

Responsibilities: Project Coordinator & Technical Support.

System Components: PCS7 System, S7-417H, ET200M, Y-Link.

20.) QAPCO Switchgear & Power Management System..... Aug 2012

Responsibilities: Project Controls Lead.

System Components: PCS7 (Multiserver Architecture, option Powercontrol (IEC61850), S7-417H, ET200M, Generator Synchronization, Motor startups. A Turnkey project.

19.) Abu Dhabi Crude Oil Pipeline Project..... April 2011

Responsibility: Document Review, Technical Queries, Solution compliance clarification, Design, Modifications.

System Components: PCS7, S7-417H, ET200M, Partial PCS7 with SCADA being **Open Architecture** based over IEC.-104 Telecontrol.

Company Name: Cross Industries Projects, SIEMENS Pakistan

.....Since Feb 2008 till March 2011.

Last Designation: Sr. Executive Engineer

18.) Fauji Refinery Burner Management Control System..... Sep 2010

Responsibilities: Project Manager/Control's Lead, HAZOP, Siemens S7400FH Control System. Failsafe/ SIL3 Systems Training.

System Components: PCS7, S7-417FH, Redundant I/O (ET200M).

17.) On SITE Specialist Support to DEWA for three grid stations..... Aug 2009

Responsibilities:

- Complete on-site system's review in order to resolve all faults.
- Si-clock upgrade, WinCC Stations upgrade, replacing switch gear's (MV/HV) faulty controller, resolving faults of main DCS (S7400H). All activities carried out under DEWA's safety regulations for live Grid maintenance.

Bidding Manager for: -Bosicor Refinery DCS, -Turkmenistan Fertilizer DCS for Utility/ ESD/ process/ offshore, -Garabito Costa Rica Power Plant SCADA, -Gibraltar Power Plant SCADA, -Pakistan Petroleum Ltd., -Electrical Load Management System.

16.) Pakarab Refinery Co-generation Power Plant Project..... March 2009

Responsibilities:

- Mainly Project Lead Engineer Controls / Acting Project Manager.
- Supervising Design Engineering, Procurement, and Execution of complete plant as per the process requirement.
- In-house Development of Intelligent Electrical Load Management System (ELMS) also **nominated for Top+ Award for Innovation Category at Siemens.**

System Components: PCS7, S7-417H, ET200M, Hardwired Control System, MIMIC Panel, WinCC v6.2, Step 7, WinCC Flexible, Touch Panels, Instrumentation for Generator Synchronization, MV/LV controls, Balance of Plant Control System. Supply, installation, interface, control and commissioning of MV & LV Switchgear, Station Transformers, NGR, Earthing Transformer, FA System, PA System, Lighting, Climitization Units, IS Limiters, all (MV, LV, Control) cabling, etc. A turnkey project.

Company Name: Advanced Solution Partner of Siemens, Kuwait. Since April 2006 to Feb 2008

Last Designation: Automation Engineer.

15.) Control System for 20" Gas Oil Pipeline Project, Worley Parsons, Kuwait Oil Company..... April 2007

Most Challenging Project from safety point of view

Responsibilities:- Project's Lead/Automation Engineer for pipeline ESD system and third party interface.

System Components: Siemens Fail Safe and Fault Tolerant (SIL3) SCADA System, ESD System, Pig Trap Monitoring, Redundant Modbus Communication(s) to others (DCS & HIPPS), CFC, WinCC.

14.) SCADA for Hydrocyclone Facility, Wafra Oil Fields, Kuwait Oil Company..... Nov 2006
Responsibilities: Addition / Modification. **System Components:** Intouch 9.5 HMI.

13.) Arabian Beverages Company SCADA Project, Kuwait..... April 2006

Most Challenging Project from process & programming point of view.

Responsibilities: Project Team Leader for the complete Automation of Sugar Preparation, Juice Blending, Sterilization and Cleaning In Place Plants. Addition / Modification of UHT, Pasteurizer, and Sterilization Plant of ABC. Handling program/ process bugs under AMC.

System Components: All types of many SIEMENS PLC Systems, Two WinCC HMI Station, Drives, Touch Panels, Instrumentation (Positioners, 4 way valves, Sensors like Brix [dissolved content] sensor).

12.) ICSS for Water Disposal and PIT Elimination SCADA System, Wafra Oil Field, Kuwait Oil Company..... March 2006

Responsibilities: Development for the SCADA part in Wonderwares Intouch with intense application Redundancy.

System Components: ABB Control Logixs (PLC), Wonderwares Intouch v9.0, Reporting in MS Access & SQL.

Company Name: SCADA and Instrumentation Solutions...(S&I), Abunayyan Group, Riyadh, KSA. <http://www.abunayyanguroup.com>.

September 2003 to Feb 2006.

Last Designation: Automation Engineer.

11.) DORMA & AL-MOZAHMIA Water Treatment Plant SCADA System..... Aug 2005

Responsibilities: Supervising and testing the programming done by others for approval.

System Components: Schneider/Modicon Premium PLCs, PL 7 Pro v4.3, Wonderwares Intouch v9.0, Reporting in Access.

10.) Jeddah Industrial City SCADA System for Water Treatment Plant..... Aug 2005

Responsibilities:

- Project Lead Engineer.-Site survey, I/O calculations. -Material selection and ordering.
- Lead Design Engineering of complete plant as per the process. -Operators training, Commissioning & Handover.

System Components: Schneider Premium PLC, Distributed based I/Os, Profibus based Instruments, repeaters, PL7 Pro 4.3, Wonderwares Intouch v9.0, Reporting in Access.

9.) Qurayat Water Treatment Plant SCADA System..... Feb 2005

Responsibilities: -same as 4-

System Components: Schneider/Modicon Premium PLCs (Master), Motorola Wireless (Slave), PL 7, Wonderware's intouch v8.0, Reporting in Access.

8.) Automatic Bus Transfer Scheme For 13.8KV Switch Gear-SEC..... Jan 2005

Responsibilities:

- Project Engineer, -Preparation of Base Design as per Saudi Electric Company Standards.
- Process Implementation. -Panel Design. -Commissioning and Handover.

System Components: Schneider/Modicon Quantum PLCs, Concept v2.6, Reporting in Access.

7.) Qurayat Water transmission Pipeline SCADA System for Water Treatment Plant..... July 2004

Responsibilities: -same as 4-

System Components: Schneider/Modicon Premium PLCs (Master), TWIDO PLCs (Slave), Wired Modem system spreading 300km with repeater stations, PL 7, Wonderware's intouch v8.0, Reporting in Access.

6.) Jeddah Industrial City SCADA System for Industrial Waste Water Treatment Plant..... May 2004

Responsibilities: -same as 4-

System Components: Schneider's Premium PLC, Distributed IOs, Profibus based Instruments, PL7 Pro4.3, Wonderwares Intouch v8.0, Reporting in Access.

5.) Bisha Wells and Water Treatment Plant SCADA Systems..... Sep 2003

Responsibilities: -same as 4-

System Components: -same as 4-

4.) Hawtat Bani Tamim Wells and Water Treatment Plant SCADA Systems..... Sep 2003

Responsibilities:

- Project Engineer, Site survey, I/O calculations. -Material (Procurement) selection and ordering.
- Design engineering complete plant as per the process (P&ID)
- Operators training, Commissioning and Handover.

System Components: Schneider/Modicon Premium PLCs (Master), TWIDO PLCs (Slave), Wired Modem system over Modbus, PL 7(Ladder Prog. Soft.), Monitor Pro (HMI), Reporting in Access.

Company Name: Process Automation and Execution Department, Siemens Pakistan Engineering Company Ltd., Karachi. <http://www.siemens.com.pk> **April 2001-Sep 2003**
Last Designation: Executive Engineer
 Three month SAP training for Plant maintenance and Quality management module. Training was conducted at ICI Soda Ash plant where SIEMENS was implementing SAP.

3.) Pehur High Level Canal & Gandaf Water Tunnel Automation, SCADA Systems Tarbela Dam, Pakistan..... Aug 2001

Mega scale project

(World's largest earth-filled dam in the world and fifth-largest by structural volume and world's 2nd largest parabolic canal.)

Responsibilities:

Process Engineering, I&C, Testing/Simulation, Documentation (P&I Diagram, Assembly drawing, Component list, Signal/assignment list, Wiring Schematic, Wiring List & Functional Specification, FAT Protocols, Pre-commissioning Test Procedure, O&M Manual), Supervising Installation, Commissioning, Operator and Engineer Training.

System Components: S7-417H, ET200M, Radio Transceiver, SIPART Controller, WinCC v5.2, Step 7, Protocol / Lite, Redundancy Co-ordinator (Red connect), Hard wired Relay logics, Ultrasonic level and flow meter(s)[Asian's biggest for 9" dia. Z type], Hydrostatic level transmitters etc.

2.) Dubai Water and Electricity Authority, Jebel Ali K-Station, Dubai, U.A.E..... June 2001

Responsibilities: Cross checking ordering data of K-Station with Thanya and Emaar Project

System Components: Same as Thanya and Emaar Substations.

1.) Dubai Electricity and Water Authority, Thanya and Emaar Substations, Dubai, U.A.E..... April 2001

Responsibilities: Learning & Standardisation & Extensibility check of Substation Control System (SCS),

System Components: S7-400H, SU200, IPCAS Protocol Converter, XMAT, WinCC v5.0, Step 7.

0.) STARTED CAREER AS TRAINEE ENGINEER AT SIEMENS Pakistan..... Feb 2001

Education

College	1995-1996	Pakistan Islamia Intermediate College, Abu Dhabi, U.A.E.
University	1996-2000	NED University of Engineering & Technology, Karachi.

Professional Trainings/Certifications

Technical Certifications	2007-2008	1.) Certified Developer Intouch SCADA. 2.) Certified Wonderware Industrial SQL Developer. 3.) Certified Developer for Wonderware Active Factory Software.
Technical Training /Workshop	2007-2008	1.) Power of Positive Attitude. 2.) CEMAT (PCS7 for cement plants) Function Blocks functionality. 3.) ST-7400H – H Systems. 4.) ST-PPFS – F Systems. 5.) SAP module for Plant Maintenance & Quality Management
General Certification Training	2012-2016	1.) Information Security 2.) Protection Against Social Engineering 3.) Protection Against Social Media. 4.) Secure Throughout The Day. 5.) Corporate Communication Skills.

Skill

Siemens Related	PCS7, CFC, Step 7, WinCC, WinCC Flexible, Protocol, Microwin, Logosoft, SIGGRAPH. Siemens SIL3 System Integration (75%). (2001 to this day).
PCS7 Systems	Data Server, Historian, Information Server, Maintenance Server, Engineering, Operations, Network, Indepth Securities.
Schneider/Modicon	TwidoSoft, PL7 Pro v4.3, Concept, Unity Pro, MonitorPro. (2003 to 2006)
Allen Bradley	RSLogix 500 20% (2006), RSView32 20% (2005)
Paneling	PLC Panel and MV Switch Gear Design, LV Switch Gear Design, Fabrication, Installation, Connection, Hydraulic Control panels. (2001-2007)
Management	Project Manager, Project Lead Engineer, Team Leader, Controls Lead.
SAP Training	Plant Maintenance 40%, Quality Management 40%. (in year 2003)
Microsoft	MS Office, MS Project, MS Access Database & Reporting.
CAD / CAE	AutoCAD 2D / 3D 95%, Visio, SiGraph