

Michael Texas

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Profile:

- International experience working in different countries and in mixed nationality environments
- Intimate exposure to world class HSE standards.
- Experience in project & running plant environments.
- Diverse technical & managerial experience of Instrumentation & Control systems design, installation, commissioning & maintenance.

Countries Visited/Worked-in, for Professional Responsibilities:

Bangladesh, Egypt, Pakistan, Saudi Arabia, Turkey, UAE, USA (**holding 5 year US Multiple Entry visa**)

Major Automation System Skill Set

Distributed Control System (DCS)	<ul style="list-style-type: none">• Honeywell TDC-3000• Fisher-Rosemount PROVox• ABB/Bailey Harmony Infi-90
Human Machine Interface (HMI)	<ul style="list-style-type: none">• ABB/Bailey Process Control View (PCV)• ABB/Bailey Conductor NT (CNT)• ABB Power Generation Portal (PGP)• ABB Process Portal B (PPB)• ABB Process Portal A - 800xA Extended Automation System (PPA)
Vibration Monitoring	<ul style="list-style-type: none">• Bentley Nevada 3300
Variable Frequency Drives	<ul style="list-style-type: none">• Mitsubishi• Yaskawa• GE Fanuc
Programmable Logic Controller (PLC)	<ul style="list-style-type: none">• Siemens S5, S7 -Mitsubishi• Modicon Quantum -Hima H-51
Computer Numerical Controllers (CNC)	<ul style="list-style-type: none">• GE-Fanuc O-M/T & 21-M CNC controllers

Electrical Experience

Low Voltage	<ul style="list-style-type: none">• DOL, Star-Delta motor starter/Motor Control Centers (MCCs)• Local/Field Control Stations for Motors• Power Control Center (PCC) Panels• Interfacing of MCCs with DCS and Local Control Panels
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Field Instrumentation

Transmitters & Control Valves	<ul style="list-style-type: none">• Installation, commissioning and maintenance of conventional as well as HART and SMART enabled field instrumentation. Loop Tuning.
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Major IT Skill Set (Current Proficiency)

Operating Systems (Current Skill set)	<ul style="list-style-type: none">• Microsoft DOS, Windows 3.1, 95, 98, XP, 2000 Server, 2003 Server• Windows 2003 Active Directory Network and Domain Administration
Operating Systems (Worked on previously)	<ul style="list-style-type: none">• QNX• VMS• X-Windows (running on Digital VAX VT100 Terminals)
Application Software	<ul style="list-style-type: none">• Complete Microsoft Office Suite (including Visio & Project)

Professional Affiliations

- Member - Project Management Institute (PMI) USA – (**PMP Certification in Progress**)
- Member – Instrumentation, Systems & Automation Society (ISA) USA
- Member - Institution of Electrical & Electronics Engineers (IEEE) Pakistan
- Member - Institution of Engineers Pakistan
- Member - Pakistan Engineering Council
- Formerly a member - Institution of Electrical & Electronics Engineers (IEEE) USA

Training/Short Courses

- **ABB University Training Center, Atlanta, GA, USA** Configuration & Advanced Troubleshooting Process Portal B (PPB). March-April 2008
- **Project Management Institute-Arabian Gulf Chapter (PMI-AGC)** Project Management Professional (PMP) Certification Exam Training. 35 contact hours of Project Management Training.
- **Space & Upper Atmosphere Research Commission (SUPARCO)**. Attended a series of 20 lectures on Satellite Remote Sensing at SUPARCO Head Quarters in Karachi, Pakistan. Sept 1997

Professional Experience

Employer: ABB AG, Mannheim, Germany., Power Systems Division, Infi-90 DCS Section, Based at Office in Abu Dhabi, UAE.

Position: Instrumentation & Control Engineer (July 2005 till date)

Responsibilities

"Lead Engineer" for the complete Project lifecycles from design, specification generation, ordering, installation, commissioning to SAT, PAC and warranty.

"System Engineer" for IT administration of projects i.e. integration of network nodes on Windows 2003 Active Directory Network, complete configuration of diagnostics, security and Network administration. Configuration of Managed Network Switches, NW Management & Tracking Softwares

Role	Project/Year
Lead Engineer	<ul style="list-style-type: none">• Upgrade of PCV Operator Stations to 800xA and expansion in existing Infi-90/ Harmony DCS Sharjah Electric & Water Authority (SEWA), UAE – 2005
Lead Engineer	<ul style="list-style-type: none">• Upgrade of PCV Operator Stations to Operate IT Process Portal B Sikalbaha Power Plant, Bangladesh Power Development Board, (BPDB), Chittagong, Bangladesh – 2006
System Engineer	<ul style="list-style-type: none">• Upgrade of OIS25 Operator Stations to Power Generation Portal (PGP) Hub Power Company, Baluchistan, Pakistan – 2006
Lead Engineer	<ul style="list-style-type: none">• Installation, Commissioning & Integration of new ICI node in existing InfiNet for OPC Connectivity with GE Cimplicity Software for Plant Monitoring & Conductor VMS Troubleshooting Enka Power Izmir Turkey – 2006
System Engineer	<ul style="list-style-type: none">• Integration of Bailey obsolete chart recorders into four New Harmony HCU nodes and Power Generation Portal, (PGP). Hub Power Company, Baluchistan, Pakistan – 2006
Lead Engineer	<ul style="list-style-type: none">• New PCU Cabinets for DCS Expansion Intech PA WLL Qatar (Totalfina-Elf, Nigeria) – 2006
System Engineer	<ul style="list-style-type: none">• HMI upgrade of existing OIS to Power Generation Portal, (PGP) ESNA Hydel Power Company, Esna, Egypt- 2007
Lead Engineer	<ul style="list-style-type: none">• Expansion in existing Infi-90/ Harmony DCS for new distilled water pumps Galfar/GASCO/Takreer Ruwais UAE – 2007-08
Lead Engineer (Project Design & Engineering)	<ul style="list-style-type: none">• Upgrade of CVMS Operator Stations to 800xA ENKA Power Adapazari & Gebze Power Plants, Turkey – 2008

Employer: Industrial Instrument & Control Systems (IICS) Ltd, Al-Khobar, Kingdom of Saudi Arabia. <http://www.iics-sa.com>

Position: Senior Automation & Systems Integration Engineer (Dec 2003 till July 2005)

Role	Project/Year/Responsibility
Senior Engineer & Joint Site Incharge	A US\$20Million SCADA Upgrade Project of Riyadh Water Transmission System (SWCC-RWTS) 480KM Water Pipeline. The longest of its kind in the world. Project undertaken by the Consortium of Abu Nayyan Group KSA and Cegelec AG Germany . Upgrade Engineering, FAT, site execution, commissioning and SAT of 50 pumping units in 14 Pumping Stations and part of 28 Line Valves & 14 Cooling Water Systems from Siemens S5 to Modicon Quantum.

Employer: ICI Pakistan Limited Corporate Technical & Engineering Dept.

<http://www.icipakistan.com>

Position Electrical & Instrumentation Engineer (April 2001 to August 2003)

ICI Pakistan Ltd, (part of AKZO Nobel, former ICI Worldwide Group plc), engaged in manufacture of Polyester, Soda Ash, Pure Terephthalic Acid, Paints and Specialty Chemicals. Corporate Technical & Engineering Dept is the in house design, development & project dept of ICI Pakistan. In addition it also provides consultancy services to select customers in the Oil & Gas and general industry sectors.

Role	Project/Year/Responsibility
Team Member	Eni (Pakistan) and OMV (Pakistan) Exploration GmbH Health, Safety and Environment (HSE) consultancy services for Natural Gas Fields. Key role in consulting services provided for computerized HSE management, HSE procedures.
Role	Project/Year/Responsibility
Team Member	ICI Soda Ash Coal Fired Boiler Project Feasibility Study ICI Pakistan Soda Ash Manufacturing Excellence Assessment Team
Team Leader	ICI Pakistan Paint Plant Automation Project for Installation of new Allen Bradley PLC System
Team Leader	Pakistan PTA Ltd Bin Qasim Karachi (http://www.pptal.com) Team leader of preventive maintenance of the Fisher Rosemount PROVox DCS system and PLC expansion during the Annual Plant Overhaul. Key role in DCS Software upgrade that saved Pak Rs.1 million plus.

ICI Pakistan Polyester Plant Expansion Project Shiekhupura, Pakistan

A US \$20.6 million, 44 kilotons per annum expansion of the ICI Polyester Plant. I was awarded a **Certificate of Achievement** for outstanding performance during the project from the Project Director of the technology supplier, **Chemtex International Inc.**, USA.

Major Responsibilities & Achievements in the Polyester Plant Expansion Project

- Actively involved in the complete project life cycle from drawing up of specifications, evaluation of bids, ordering, delivery inspection, installation, commissioning and post handover maintenance with Polyester works.
- Management of contractor work forces for smooth & timely execution of Electrical & Instrumentation jobs in strict accordance with drawing, specification and world class ICI SH&E standards in areas of the continuous polymer plant, batch polymer plant, spinning and utilities. Considerable work was carried out in zone- classified areas and on running plant.
- Supervised the commissioning of new and old electrical & instrumentation hardware including discrete instrumentation, control valves, MCCs, PLCs and expansion in the existing DCS system.

Employer: Fauji Fertilizer Co Ltd. Goth Machhi. Pakistan
(<http://www.ffc.com.pk>)

Position Instrument Engineer-Trainee (Sept 2000 to Mar 2001)

A 4,080 Metric ton per day Ammonia Urea fertilizer complex of two Urea plants. I was assigned to **Ammonia Plant**, looking after maintenance and repair jobs. Major Achievements included demonstration and presentation of **HIMA PLC** based HMI and Maintenance during shutdowns.

Employer: Hilbro (Pvt) Ltd Sialkot. Pakistan (<http://w3.hilbro.net/old/group.asp>)
Position Development Engineer (March 1999 to August 2001)

BVQI certified ISO 9001 certified surgical instruments manufacturer with an entirely export based clientele in Europe and USA

Major Responsibilities & Achievements

- Established ISO 9002 compliant heat treatment shop (Vacuum & Ammonia Process based) & CNC Machine Shop and conducted in house training of operators for operation and maintenance of above equipment.
- Designed & prototyped medical optical fibre light source, and demonstrated feasibility of electrosurgical unit design through computer simulations.

Education

Bachelor of Engineering: (Industrial Electronics) 1994-1998. Institute of Industrial Electronics, Engineering NED University of Engineering and Technology Karachi.

Bachelor of Science (Pure & Applied Mathematics, Physics) 1992-1994.
Govt. Islamia Collage, Sialkot. University of the Punjab, Lahore, Pakistan.

Scholarships

President's Talent Farming Scheme, University Grants Commission, Islamabad 1993-1994. A scholarship awarded at BSc. Level by **Govt. of Pakistan**, Islamabad to 100 Students from Pakistan. Also attended Summer School as part of the Scholarship Scheme.

Personal

Date of Birth: July 31, 1974