

Omar Z. AL Zayed

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ENGINEERING DIRECTOR | MANAGER / TECHNICAL MANAGER | DIRECTOR

(Engineering/Oil & Gas/Telecom/Government Services)

Senior technology leader offering extensive experience in the implementation, Engineer and maintenance of mission-critical infrastructure. Delivers cost effective solutions to complex technical challenges and sets high quality standards, meeting and exceeding industry and international requirements. Aligns technical operations and processes with strategic goals, delivering financial and operational results whilst maintaining high safety standards. Technically astute, strategic thinker who through a collaborative approach creates robust strategies, which provide long-term solutions and generate growth. Seizes opportunities to share expertise and develop the team providing career development whilst adding value to the business and the community as a whole. Outgoing, with a naturally open and inclusive style, which facilitates co-operation and engages business partners, customers and team members alike.

CORE COMPETENCIES

- Engineer Management ▪ Maintenance Management ▪ Communication ▪ Commissioning ▪ Teamwork ▪ Results Focus ▪ Innovator Development ▪ Internal Audit Operations ▪ Solution Development and Delivery ▪ Safety & Risk Management

KEY SKILLS

- **Technical Expertise:** Applies vast experience in instrumentation and control engineering to design technical processes which meet business needs. Creates and applies innovative solutions to tackle complex technical challenges utilizing cutting edge technical expertise. Designed and applied leading edge dewatering technology, winning the Saudi Aramco Safety Award and resulting in the adoption of the technology as a company standard. Inventor of US Patent (No. 9,086,354) which was granted with title of SOUND VELOCITY DEWATERING SYSTEM.
- **Strategic Focus and Thought Leadership:** Sees 'the big picture' and recognizes the role of technology and its potential to maximize business results, whilst maintaining high standards for quality and safety. Skilled in the application of value engineering and consistently develops best practice. Established and wrote Saudi Aramco standard on small volume prover, and defines, communicates and enforces all coding standards. Writes and presents many technical papers on instrumentation and control in professional forums.
- **Technical Operations Management:** Translates business goals into clear implementation plans, meeting customer needs and technical requirements with quality, safety and efficiency as key elements. Manages

multiple technical teams to complete projects within budget and on schedule. Planned and directed all maintenance during 30 day shutdown, implementing 24hour cover through two shifts. Directed and co-ordinated engineers, technicians and contractors, to complete all planned repair and maintenance work, with contingency plans for unforeseen requirements. Achieved 90% production efficiency as a result of shutdown maintenance schedule.

- **Client Management:** Prioritizes work to ensure all clients' needs are met in a timely and efficient manner. Designs processes to align with KPIs and business requirements, optimizing use of resources. Builds strong relationships and agrees common goals and priorities aligned with strategic targets. Introduced a new process for allocating time, skills and priority to all business units' maintenance demands, resulting in greater efficiency and improved quality alongside increased staff motivation.
- **Leadership and Talent Development:** Identifies and nurtures talent, promoting the sharing of knowledge and development of skills. Creates succession plans to ensure the continuous flow of talent and creation of career opportunities for staff, thus motivating and engaging the team. Empowers and supports others to develop to their full potential. Established a program to accelerate the transfer of skills from experienced to new technicians, strengthening the talent pipeline. Within a year, identified and developed experienced technicians to successfully take on supervisory responsibility.

CAREER HISTORY

Sr. Technical Leader, Riyadh Refinery/ Technical Support Unit Saudi Aramco, Riyadh **Feb 2013- Present**

- Provided technical and maintenance support to software and hardware of field instruments, DCS, PLC, vibration systems, rotating equipment control and boilers/heater control.
- Designed engineering packages in the preceding areas and handled capital projects involvement: DBSP review, proposal, detailed engineering review, commissions.
- Provide a long and short term technical solution.
- Lead many audit teams to enhance the system reliability.
- Generated new ideas for Development Company that focuses on improvement and cost saving as well as adopting new technology.

Instrument and Electrical Unit Supervisor, Riyadh Refinery Saudi Aramco, Riyadh **Oct 2011- Feb 2013**

- Led four maintenance groups, managing more than 50 employees responsible for maintenance/repair/commissioning of instrument, electrical, AC, fire and gas systems.
- Engaged with clients to identify needs and evaluate alternative technical solutions and strategies to meet business goals
- Planned and scheduled all activity, allocating resources and manpower for total shutdown maintenance and technical support for software and hardware of field instruments, DCS, PLC, vibration systems, rotating equipment control and boilers/heater control.
- Created, documented and implemented code for control systems, maintaining company standards.
- Approved new technology, design reviews and upgrades on instruments to achieve optimal efficiency, quality and cost

- Coordinated with construction team on major commissioning and maintenance projects, ensuring project completion on time and to budget
- Established a full digital control simulation training to train the new technicians on all instrument field equipment.
- Created a succession plan: mentors and develops key technical staff and manages the development of technical managers and senior technical managers to reach their full potential, manages performance and coaches.

Instrument Engineer, Riyadh Refinery/TSU - Saudi Aramco- Riyadh

Oct 2006 – Oct 2011

- Designed engineering packages and handled capital projects, managed projects from specification and budgeting through to planning, implementation and evaluation of vendor 's technical proposals
- Applied significant technical knowledge of complex database concepts, programming languages, OO concepts and client/server & internet systems architectures to establish and apply standards across project teams
- Applied all Instrumentation and Control Engineering Standards: Member of Saudi Aramco instrumentation and metering Standards review list, Saudi Aramco Communities of Practices (COP) and Saudi Aramco Refining Best Practices Team.
- Wrote and presented many technical papers on instrumentation and control; won Saudi Aramco LP ESARP Safety Award 2010.
- Designed and applied innovative technologies and solutions such as Dewatering technology and wireless application for level measurement.
- Led many failure investigation teams, instruments PM enhancement program and team to review all single points of failure for Riyadh Refinery area; provided recommendations and scope of work to implement required solutions.

Instrument and Metering Engineer, Process and Control System Department, Saudi Aramco,

Jan 2005 – Oct 2006

- Incorporated profitability objectives through engineering standards and application of new emerging technologies. Provided specialised engineering consultations for corporate operations and capital programs to advance corporate profitability.
- Managed projects including truck unloading skids (two grades of gasoline) project, investigated high loss for distribution plant, distributing plant for medina BP loading skids and SVP project, western region two grades gasoline metering skids project and established and wrote Saudi Aramco standard on small volume.

Instrument/Measurement Engineer, ER/CR Distributions Department, Riyadh

Jul 2001 – Dec 2004

- Witnessed on site acceptance tests for new modernisation skids at South Riyadh and Qassim Bulk plant and witnessed the Factory acceptance test (FAT) for 6 small volume prover (SVP) at UAE.
- Evaluated the need to install pumps for the new loading racks in Dhahran Bulk Plant, resulting in a saving of \$2M.
- Investigated customers' complaints in AL Karj Bulk Plant, conducted several measurement surveys in all CRDD plants and commissioned and tested the two small volume provers available with CRDD.

- Provided technical support for operations and maintenance divisions including pipelines automatic metering & instrumentation systems, radar tank gauging systems, product (loss)/gain control procedures and measurement system design review & start up.
- Prepared a design package to install Averaging Tank Thermometers (ATT) for Al-Hasa Bulk Plant tanks.
- Participated in the review of Distribution Operations Manual (DOM)
- Reviewed all measurement related transactions in SAP and provided comments to SAP applications and design teams to resolve them
- Participated in conducting Operation Compliance Reviews (OCR) for South Riyadh Bulk Plant, North Riyadh Tank Farm, Riyadh Air Base and Qassim Bulk Plant.
- Developed and upgraded the DR-1 pipeline metering skids to use it as official tools, built a meter curve for Dr-1 metering skids on the Omni® flow computers, participated to fix the DR-1 and RQ-1 densitometers to be an accurate instrument and configured all preset controls for all CR bulk plant.

EARLY CAREER

Measurement/Instrument Engineer, Consulting Service Department (CSD),
Dhahran

Aug 2000 – Jun 2001

GSM Engineer, Lucent Technologies, Riyadh

Aug 1997 – Jun 2000

- Site GSM Engineering group Team Leader
- Designed the model of BCF/BCE
- Administered networks descriptions for All BCE/TCE/BCF/TCE in the Kingdom
- Designed the Model for BTS (Base Transceiver Station)

EDUCATIONAL QUALIFICATION

MBA, University of Strathclyde, UK

2013 – 2016

Analysis & Decision Making, Managing People in Organisations, Financial management & Accounting, Strategic Planning, Market Analysis and Marketing Strategy.

BS in Electrical Engineering, King Fahad University of Petroleum and Minerals,
Dhahran

Sep 1993 – Jun 1997

PATENT/PROFESSIONAL MEMBERSHIPS

APPLICATIONS

- | | |
|---------------------------------------------------------------|------------------------------------------------|
| ▪ Sound-Velocity Dewatering System. US Patent (No. 9,086,354) | ▪ OMNI flow computers (different models) |
| ▪ TUV Functional Safety Engineering SFT. INST. SYS since 2008 | ▪ Brooks SVP , Calibron SVP (different models) |
| ▪ Value Engineering since 2005 | ▪ Siemens TMS , CSI TMS |
| ▪ Professional Control Engineer PESCE since 2012 | ▪ JKMS Offloading System |
| ▪ Senior ISA member since 2006 | ▪ DCS/ESD Yokogawa |
| ▪ JKMS Metering System in DBP | ▪ Packet ware for instrumentation system |
| | ▪ Control Valve Sizing Program |

PROFESSIONAL TRAINING AND COURSES

Professional Engineering Development Courses

- C-LOOP ELE&AUTO CONT. SYS
- VALUE Engineering course
- CONT. PROC.: FD LEVEL/FLOW
- Networks: Introduction course
- Electrical Power system basic.
- Cellular and PCS Made Simple
- Fiber Optic Communication
- GSM System Overview
- Understanding Data Communication
- Chemical Engineering for non-chemical engineers
- Process control and instrumentation.
- Control valves
- Boilers Control
- Relief Valves
- Compressor Control
- Process design for instrument engineers
- Instrument air Compressors

Management Training Center Courses

- Business ethics & corporate values
- Interpersonal communication
- Time management
- Problem Solving Method
- Teams That Work
- High Performance Team Building
- Effective interpersonal communication
- Effective workgroup presentation
- Developmental learning skills
- Interpersonal Communication: advocacy & inquiry
- Goals and Goals setting
- 7 Habits of highly effective people
- Supervisor Assessment Course

PERSONAL DETAILS

Date of Birth: 7th Apr, 1976

Marital Status: Married

Nationality: Saudi Arabian

Driver's Licence: Saudi Arabian

References available on request