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**Eng. RASMY AZOOLE (WSO-CSS)**

**HSE/W GGM/ Senior Consultant**

Being HSE Services & Solutions Providers, HSE Consulting & Training Approved & Accredited by World Safety Organization (WSO) as Certified Safety Specialist (CSS) UN.

Building World-Class Safety, Health and Environment Programs.

**Experience & Qualification:**

**As an EHS Specialist/Consultant/Tutor, h**aving Ability to conduct Root Cause Analysis in a business process and Pro-active behaviors required to anticipate EHS trends and implement strategies to mitigate potential threats, and hazards before escalation. Actually, having strong experiences, excellent multinational communication, presentation and supervision skills, in addition to the skills of developing EHS policies and world class SHE-MS packages as required.

1. **Process Safety (PSM):**

* Establish, Update and Maintain corporate **Process Safety Management System (PSM)** that encompasses all related activities in line with latest state of art technology, industry best practices and relevant regulatory & local requirements to meet company corporate objectives.
* Provide discipline researches and thorough knowledge in his expertise
* Apply deep dive diagnose and analysis into problem solving
* Ensure consistent interpretation of **Process Safety Management System (PSM)** requirements
* Provide support to implement **Process Safety Management System** requirements
* Capture lessons learned and best practices related to Process Safety issues
* Establish **Process Safety Compliance Assurance Process**.
* Develop/Conduct annual **Compliance Assurance Program**
* Perform Compliance Assurance Trend Analysis
* Expert in anticipating the **Process Safety business risks** consequences and provide best practices to achieve optimum balance of technical, safety, operations, and integrity aspects
* Developing **Project Heath, Safety and Environment Reviews (PHSER);** that is auditing in stages, of the occupational health, safety and environmental aspects of a developing project from conception to post-commissioning including decommissioning of the facilities in order to determine any shortcomings or non-compliance. (PHSER provide assurance that the Project is being developed with due regard to HSE-MS requirements and that appropriate measures are being taken to identify, address and manage hazards).
* Developing HSE and **HSE-MS** Standards based upon various requirements such as:
  + Conduct **Root-Cause Analysis (RCA)** in a business process and Pro-active behaviors required to anticipate HSE trends and implement strategies to mitigate potential threats, and hazards before escalation.
* Prepare General Safety Overview, to ensure safe work practices and introduce new employees to HSE System and regulations.
* Prepare **Safety procedures** to assure the ultimate goal of all efforts are in order to reduce Incidents and harmful exposure
  + Prepare **HSE Policies, Rules, Practices, Permit-To-Work Procedures (PTW), HSE-Management Systems (MS),** and all HSE regulations
  + Accomplish Compliance Action Plans in the domain of HSE Policies, rules and HSE regulations.
  + Determine the effective application of the HSE Management Systems (MS) and follow-up effective close out of the deficiencies.
  + Compile and execute Contract HSE plans in accordance with Contract requirements.
  + Advice conducting activities in a safe manner to avoid harm to the health of the employees.
  + Arrange design of Workplace Layout, Work methods, Equipment and Work Environment are compatible with the physical and behavioral limitations of employees and higher the levels of Safety and Work Efficiency
  + Preparing, applying and updating of **Emergency Response Plan [ERP]**
  + Preparing, applying and updating of **HSE Management Systems [HSE-MS]**
  + Preparing and conducting **Job Safety Analysis [JSA]**
  + Prepare **Accident, Incident Investigation & Reporting procedures (AIIR).**
  + Perform and operate internal **Audits and inspection programs**
  + Plan, prepare and conduct **Risk Assessments**
  + Design, execute, prepare **E-Learning & Education** and **Computer Based Training (CBT)**
  + Preparing and introduce **Behavioral Based Safety [BBS]** that help arrange better safety behaviors and performance of employees.
  + **PtD;** One of the best ways to prevent and control occupational injuries, illnesses, and fatalities is to "design out" or minimize hazards and risks. NIOSH leads a national initiative called Prevention through Design (PtD). PtD's purpose is to promote this concept and highlight its importance in all business decisions.

# Sustainable Energy:

Optimize the Energy performance of a facility, building or industrial plant.

Act as systems integrator for electrical, mechanical, process and building infrastructure, analyzing the optimum solutions to reduce energy consumption in a cost-effective approach.  Often act as team leaders and help to develop and implement their organizations’ Energy Management Strategies.

**Value Engineering, Value Consulting Services, Value Methodology Standard [S.A.V.E.]**

**Value engineering (VE)** is a methodology that is known, accepted and has an impressive history of improving value through customizing Quality and optimizing Life Cycle Cost (LCC). **VE** is an organized process that has been effectively used by a wide range of companies and establishments to achieve their continuous goals.

The success of the VE process is due to its ability to identify opportunities to remove unnecessary costs while assuring quality, reliability, performance, and other critical

factors that meet or exceed customers' expectation. The improvements are the result of recommendations made by multidiscipline teams from all concerned parties.

**Value engineering** can improve decision-making that leads to optimal expenditure of owner funds while meeting required function and quality level. VE is a methodology that is comprised of many useful techniques that create change on purpose rather than letting change happen accidentally.

**Total Value Management (TVM): TVM is the synergy of both VE and TQM. Application of VE within the TQM approach will more closely achieve the desire concept**

**C:\# 4 SAVE Value Engineering -TQLS\SAVE Logo JPEG (2).jpg**

**Proposed Objectives:**

* To cover effective means and solutions to reduce Energy consumption in a cost-effective approach
* To implement solutions to enable Energy Efficiency (EE)
* To save Energy by tracking consumption, monitoring Energy expenditures and identifying saving opportunities.
* To raise the professional standards of those engaged in energy management
* To improve the practice of energy management by encouraging energy managers in a continuing program of professional development
* To identify persons with acceptable knowledge of the principles and practices of energy management related disciplines and laws governing and affecting energy managers through completing an examination and fulfilling prescribed standards of performance and conduct
* To award special recognition to those energy managers who have demonstrated a high level of competence and ethical fitness for energy management.

# CERTIFICATIONS:

* Egyptian Ministry GM Leader-Ship Certificate/**Governmental Egyptian Environmental Agency Affairs (EEAA).**
* Certified NEBOSH/IOSH (UK) Lead Instructor to NEBOSH Center # 801 (WES KUWAIT) 2013
* National General Certificate in Occupational Safety and Health IGC [NEBOSH-UK]
* Certified Lead Auditor OHSAS 18001:2007, SGS-UK / IRCA
* Certified OSHA Disaster Site Worker, OSHA-USA
* Certified OSHA Construction Safety and Health, OSHA-USA
* Certified HAZWOPER 40-hr Training, NASP-USA Certified Internal Auditor; Environmental Management System [EMS / ISO 14001].
* **World Safety Organization (WSO) belongs to UN, membership affiliation (#017319), Certified Safety Specialist (WSO-CSS) # 936.**

 

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| Professional Bodies |
| * Acoustical Society of Egypt (ASE), ASU-GARDS; Group for Advanced Research in Dynamic Systems (Sound & Vibration Lab.) Ain Shams University in Cairo, Egypt. * American Society of Safety Engineers “ASSE” #12132 Professional International member. * Egyptian Engineering Syndicate # 6843/12. * Proud Member of Build Safe (Signatory Construction Stakeholder Organizations of UAE) * Safety Groups UK, registered charity # 1048425 * **Society of American Value Engineers (SAVE) International #52827 & Canadian Society for Value Analysis (CSVA)** * Specialist Overseas Membership (SIIRSM) of International Institute of Risk and Safety Management (IIRSM). * **IOSH UK member.** |
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**CREDENTIALS:**

* **B. Sc.** Mechanical Engineering degree on 1977 (GPA: 3.3) Mansoura University, Egypt
* **M. Sc.** Mechanical Engineering, Hydraulic Machines Operation Simulation and Control, (Centrifugal Compressors Anti-Surge Control Modeling & Simulation) 1995, Mansoura University, Egypt.
* **D. Sc. Doctorate of Science**; Environmental Safety Management (Quality Systems and Auditing) 2009, Rochville University, USA.
* Environmental Impact Assessment & Auditing (EIA) **Diploma:** 1999, AUC, EGYPT.
* Environmental Management System (EMS) **Diploma:** 2000, AUC, EGYPT.

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| Key Qualifications | Specialization, Skills  and Competencies | Key Assignments/  Projects Managed |
| Mech. Eng.   1. B. Sc. Mechanical Engineering degree on May 1977 (GPA: 3.3) Mansoura University, Egypt 2. M. Sc. Mechanical Engineering, Hydraulic Machines Operation Simulation and Control, (Centrifugal Compressors Surge Control Modeling & Simulation) on Feb. 1996, Mansoura University, Egypt.   Publication Research Papers:   1. “Hydraulic Machine Process Control & Simulation”, ISROMAC-6, Feb. 1996. 2. “Surge Prediction Modeling for Low Pressure Compression Process”, ASME, July, 1996. | * Dealing with all types of valves, control valves, instrumentations, piping. * Conduct, supervise and schedule the operation of the GOSP and Crude Oil Desalting’ facilities, Gas Compression and Refrigeration Complex OJT, Analogue Process Simulator (1501) Auto Dynamics Conduct, supervise and schedule the training on Digital Control System Simulator (DCS-6500 HP) for Saudi ARAMCO. * The technology of Rotating Machinery is the most commonly used in the process and refinery industries, where they provide flexibility and are easy to maintain. It provides details on the thermal and mechanical design, fabrication, inspection and maintenance in relation with international standards. It enables the participants to understand the performance, the technology and the operation of rotating machinery**.** * **D**ifferent types of Rotating Machinery and their main applications. * Working principles and key performances of this equipment. * Technology of the rotating machinery and their main operating constraints. * Master degree Thesis (1995):   [Hydraulic Machines Operation Simulation and Control] Presents theoretical and experimental investigation on surge prediction of low-pressure compression process. The main research effort focused on operation stability and transient operation came across particularly in centrifugal compressor operation known as surge phenomenon. Protect the centrifugal compressors from surge onset and to increase its efficiency by minimizing energy power waste. The benefit of this research actually is the employment of the obtained results to construct a process control system to overcome surge onset. The model presents an efficient and economical mean of process monitor for conditions similar to the real industrial plants. | 1. **Project Mechanical Engineer** for Suez Canal, Port Said, Egypt since Jan, 1978 till may, 1979 (2 Y); Suez Canal Authority is owner and operation co. of Suez Canal, Egypt. Managing more than 90 direct employees. 2. **Senior Process Operation On-Job Training (OJT) for SAUDI ARAMCO – KSA at** Gas Oil Separation Plants (GOSPs), since May 1979 until Aug. 1985. SAUDI ARAMCO, is the main Oil & Gas production co. in the Gulf area; Dealing with different categories of more than 4000 employees. Conduct more than 128,000 technical presentations Man/Hrs 3. **Plant Training Engineer** for EQUATE Petrochemical Industries Co. KUWAIT, since June 1996 till Aug. 1998, EQUATE Petrochemical is a joint venture between Union Carbide of USA (DOW) and Kuwait Gov. to produce Ethylene, Poly-ethylene, poly-propylene and Ethylene-Glycol. Dealing with different categories of more than 1000 employees. Conduct more than 52,000 presentations Man/Hrs. 4. Energy Training Institute (ETI-UGANDA) GM, Petroleum Technical Institute (PTI) delivers highly effective simulation-based training programs specially designed by our technical team. Many of the short-listed programs are internationally certified & accredited by famous recognized organizations. Training at our facilities performed using state of the art virtual reality and Simulation labs. 2019 5. ETI & Inspecta Int. shared preparing study of project Tender SOW, of East Africa (EACOP) with TOTAL Energy -UG (Plant & 1443 KM Oil Pipe line Certification and Inspection study) for five years, EACOP Tender & Plant Certification. 2019-UG |
| HSE EXPERT  (WSO-CSS)  D. Sc. Doctorate of Science; Environmental Safety Management (Quality Systems and Auditing) 2009, Rochville University, USA.   1. Environmental Management System (EMS) Diploma: 2000, AUC, EGYPT. 2. Environmental Impact Assessment & Auditing (EIA) Diploma: 1999, AUC, EGYPT. | 1. Technical/SHE Advisor: Safety Services & Solutions Provider and SHE consulting & Loss Prevention 2. Independent Consultant to DUPONT Sustainable Solutions (ICDR) free-lancer; doing Technical Consulting Services involving Safety, Operations Efficiency and Environmental Management services. 3. Health, Safety, Environment & Quality Management Systems / Training / Auditing/ Consultancy 4. Project Management/Construction & Utilities 5. Risk Assessment / HSE-IA /EIA.   **CERTIFICATIONS:**   * Certified Safety Specialist (CSS) World Safety Organization - WSO (UN) * Certified NEBOSH/IOSH UK Lead Instructor * National General Certificate in Occupational Safety and Health [NEBOSH/IOSH-UK] * Certified Lead Auditor OHSAS 18001:2007 SGS-UK / IRCA * Certified OSHA Disaster Site Worker Training Program, OSHA-USA * Certified OSHA Disaster Site Worker, OSHA-USA * Certified OSHA Construction Safety and Health, OSHA-USA * Certified HAZWOPER 40-hr   **MEMBER-SHIPS:**   * Acoustical Society of Egypt (ASE), ASU-GARDS; Group for Advanced Research in Dynamic Systems (Sound & Vibration Lab.) Ain Shams University in Cairo, Egypt. * **American Society of Safety Engineers “ASSE” #12132 Professional International member.** * Society of American Value Engineers (SAVE) International #52827 & Canadian Society for Value Analysis (CSVA). * Specialist Overseas Membership (SIIRSM) of International Institute of Risk and Safety Management (IIRSM). * **World Safety Organization (WSO) belongs to UN, membership affiliation (#017319) Certified Safety Specialist (WSO-CSS) # 936.** | 1. Develop complete Occupational Health & Safety Management System “OHS-MS” for Abu Dhabi Retirement Pensions and Benefits Fund, Abu Dhabi -UAE (ADRPBF) 2. Provision of HSE-MS Gap Analysis Services, compliant with the requirements of ISO 14001 & OHSAS 18001 for different projects (National Research Center, Construction Industry, and Department of Transportation, Abu Dhabi, UAE) 3. Tender Study of Development and Implementation of the Building and Construction Sector Environment, Health and Safety Management System for Al-Ain Municipality Consultancy Services project proposal, Value: Multi US $ millions (70,000,000 AED) Abu Dhabi, UAE. 4. Developing a complete Emergency Response Plan & Developing a complete world class HSE-MS (16-Elements) & developing a monthly KPI performance report for all activities for BURREN ENERGY Limited, Egypt) 2006 5. Complete HSE-IA, QRA Consultancy Services for Pregis (KPE) Flexible Packaging Factory, Borg El Arab, Alex- Egypt, Value; Multi US $ millions. 2008 6. Managing of Governmental Egyptian Environmental Agency Affairs (EEAA) 2001- 2002 7. Develop and conduct various planned and tailored HSE presentations for Petrochemical, Oil and Gas Industries in the Gulf region for National Consulting Bureau (Cairo/AUH/Kuwait), WES – Kuwait, MASTERS, ECOMAN & TUV-NORD (DUBAI, UAE) Insignia UAE 2006-2022. 8. Develop and conduct 6 courses of **Incident & Accident Investigations (AIIR) & Root Cause Analysis (RCA) / HSE Gap Analysis & Action Tracking / HSE Annual Planning to GFTG- KWT on 2022-2023.** |

**Creating a Legacy Trust!**