

## **Mohamed Bashandy**

### **Instructor**

#### **Career synopsis**

Mohamed Bashandy is a consummate HSE and Process Safety professional with a remarkable 20-year trajectory in diverse industrial settings, highlighted by his strategic leadership and unwavering commitment to safety excellence. With a foundational degree in Chemical Engineering from Cairo University, Mohamed has continuously expanded his expertise, obtaining an MBA from the Arab Academy for Science and Technology and a Master of Science in Process Safety and Loss Prevention from Sheffield University, UK, where he graduated with distinction.

Currently, Mohamed serves as the Projects HSE Manager at Pharaonic Petroleum Company (PhPC), a joint venture between BP and ADNOC. In this role since December 2020, he oversees all occupational and process safety initiatives across various project phases—from concept selection through to commissioning. He is instrumental in reviewing and participating in comprehensive process safety studies such as HAZID, HAZOP, and LOPA, among others. His responsibilities also extend to developing robust contractor management systems and enforcing stringent HSE and process safety requirements, thus ensuring alignment with legal guidelines and company policies.

Prior to his current role, Mohamed was the HSE Team Leader at British Petroleum (BP) from December 2017 to December 2020, where he led the HSE efforts during the construction, commissioning, and startup phases of projects. He maintained high standards of safety by overseeing the performance of contractors and subcontractors, ensuring compliance with all regulatory requirements and BP's internal safety standards. His work not only involved incident management and risk assessment but also supported the implementation of BP's Control of Work programs across various assets.

From February 2012 to December 2017, Mohamed headed the HSE and Process Safety department at PhPC. Here, he owned the HSE management system, ensuring compliance with ISO14001 and ISO 45001 standards through rigorous internal audits and participations in DNV ISRS auditing. His role was crucial in developing comprehensive process safety management programs, establishing critical safety procedures, and managing environmental aspects of both onshore and offshore projects.

Earlier, from February 2004 to February 2012, he was an HSE department section head at Al Qantara/Al Mansoura Petroleum Company. His responsibilities encompassed participating in HAZOP studies, commissioning and operation of oil plants, and leading environmental and safety audits. His tenure here solidified his expertise in operational safety and environmental compliance.

Mohamed's educational background, coupled with his extensive professional experience, positions him as a leader in HSE and process safety training. At the Technical Education Academy, he leverages his deep knowledge and practical experience to provide training on core HSE concepts, crisis management systems, and process safety, emphasizing a culture of safety and compliance. His ability to mentor and develop future HSE professionals, combined with his strategic oversight of complex safety management systems, makes him a pivotal figure in fostering safer industrial environments.

#### **Professional experience**

**December 2020-Until now - Projects HSE Manager. - Pharaonic Petroleum Company (PhPC - BP/ADNOC JV), Egypt**

- Deliver occupational and process safety requirements for offshore and onshore during the project phases including concept selection, FEED, detailed design, construction, and commissioning.
- Participating and reviewing all process safety studies for the projects, including ISD, HAZID, HAZOP, LOPA, SIL, QRA, FERA, ESSA...etc.
- Establish contractor management system and enforce HSE and process safety requirements. Manage the offshore installation contractor and the onshore tie-ins.
- Develop and execute health and safety plans aligned to legal guidelines and company policies.
- Develop the project's crisis management systems, business continuity plans, and support response efforts on site. Conduct training and simulations to prepare the project team.
- Prepare and enforce policies to instill a culture of HSE and process safety across the organization.
- Develop HSE compliance matrices, identify gaps, establish improvement measures and conduct audits.
- Curriculum development
- Personnel training
- Knowledge test / assessment

**December 2017-December 2020 - HSE Team Leader - British Petroleum (BP) in West Nile Delta Project, Egypt**

- HSE Team Leader during the construction, commissioning and startup phases and Oversight the HSE performance of the contractors and subcontractors.
- Conducted verification activities to ensure project activities complied with legal, regulatory requirements and bp HSE requirements.
- Provided oversight on contractor implementation and compliance with regulatory standards.
- Managed incident reporting, investigation, and closure in BP's IRIS system.
- Assessed, prioritized and managed HSE risks in line with BP standards.
- Supported implementation of BP Control of Work programs across assets including Hot work activities, scaffolding, working at height, gas testing, confined space entry, lifting operations and ionizing radiation safety.
- Curriculum development
- Personnel training
- Knowledge test / assessment

**February 2012-November 2017 - HSE and process Safety Department Head - Pharaonic Petroleum Company (PhPC - BP/ADNOC JV), Egypt**

1. Manage the contractor HSE deliverables for offshore and onshore during the project phases including concept selection, FEED, detailed design, construction, and commissioning.
  2. Manage the environmental aspects for the onshore and offshore including the development of the ESIA studies as well as.
  3. Participate in the high-risk activities risk identification, assessment and define the controls covering, hot work inside gas processing area, confined space entry, working at height, lifting operations and commissioning activities.
  4. Ensure that contractors and subcontractors understand and follow the process safety management requirements during the construction of the onshore brownfield.
  5. Deliver process safety and HSE in-house training.
- Curriculum development
  - Personnel training
  - Knowledge test / assessment

**February 2004-January 2012 - Fields HSE advisor - Al Qantara/Al Mansoura petroleum company, Egypt**

- - Conduct an HSE audit against OHSAS 18001 and ISO 14001 requirements.
  - Periodical inspection and maintenance of firefighting and protective equipment.
  - Preparing periodical emergency drills for emergency and rescue teams.
  - Participate in hazards and operability study (HAZOP) for Gas / Oil processing plants.
- Curriculum development
- Personnel training
- Knowledge test / assessment

**January 2009-Until now - Process Safety Trainer - Freelancer, Egypt**

- Providing comprehensive training and education regarding Technical HSE and Process safety to professionals working in industries with high-risk processes, such as oil and gas, chemical manufacturing, pharmaceuticals, and other hazardous sectors. I possess a deep understanding of the principles and practices of process safety management, as well as effective teaching and communication skills to convey complex concepts to students from various backgrounds and industries.

Course Name Client Date

Process Safety Boot Camp ( CCPS ) preparation of the course material and presentation ( IChemE approved ) ENPPI 2023

Process Safety Foundation and Bowtie Introduction Suez Oil Refinery 2024

Incident Investigation and root cause analysis Pharaonic Petroleum Company ( BP-JV) 2023

HAZMAT Petrobel – Zohr Project ( ENI JV) Jan 2017 – Dec. 2017

4 Groups

Emergency Preparedness Petrobel – Zohr Project ( ENI JV) Jan 2017 – Dec. 2017

4 Groups

ISO 14001 Environmental Management System Internal Auditor

- Curriculum development
- Personnel training
- Knowledge test / assessment

**January 2010-Until now - HSE and Process Safety Auditor - freelancer, Egypt**

- Lead auditor for the following management systems:
  - Dust Explosion Risk Assessment and Hazardous Area Classification Servier International Pharmaceutical Company 2022
  - CCPS 20 elements Process safety management system Alexandria Oil Refinery 2021
  - ISO 14001 Environmental Management System Carbon Black, Birla Carbon Egypt 2019
  - Social Accountability SA 8000 Carbon Black, Birla Carbon Egypt 2017
  - ISO 14001 Environmental Management System and OHSAS 18001 ADES Holding: Leading offshore & onshore Drilling Services 2018
  - ISO 14001 Environmental Management System and OHSAS 18001 Assiut Cement Company (ACC - CEMEX) 2016

**Education and qualifications**

Type	Name
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2021 - 2023, Master	Sheffield University - The UK, Master in Process Safety and Loss Prevention
2010 - 2012, Master	Arab academy for science and technology, Crisis Managemnt
1997 - 2002, Bachelor	Cairo University, Chemical Engineering
2009	NEBOSH, International general certificate in occupational health and safety], 120 hours
2012	NEBOSH, International technical certificate Oil and Gas Operational Safety, 40 hours
2020	Exida, Certified Functional Safety Professional, CFSP, 40 hours
2017	Quality Academy - CQI and IRCA Certified Course, ISO 14001:2015 Environemtal Management System Lead Auditor, 40 hours
2009	DNVGL- CQI and IRCA Certified Course, Occupational Health and Safety Management System Lead Auditor, 40 hours

**Language: Arabic, English**