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Profile

Dynamic & dedicated professional spanning over 21 years of working experiences in the Engineering and Health Safety Environment (HSE) domain in oil and gas, manufacturing, constructions and education sector. Flair in both managerial capacity & technical aptitude, derived from engagement in engineering development & HSE implementation manufacturing & project management and in all the said portfolios. KPI oriented with flexible and matured personality to deliver an informed decision and KPIs monitoring. Other engineering and safety experiences include an engineering design and safety leader, planning & execution, bidding/proposal support, auditing and inspections on safety, health and environmental compliances and authority expert reference for Board of Engineers Malaysia (BEM), Dept. of Occupational Safety and Health (DOSH) Malaysia and Dept. of Environment (DOE) Malaysia. An Acoustic Engineer and HSE practitioner for nearly 20 years with multiple licensed and registered certificates under BEM, DOSH Malaysia, DOE Malaysia, CIDB as well as certified trainer under HRDF and NIOSH. A referred Subject Matter Expert (SME) in Noise and Sound for DOSH Malaysia and NIOSH Malaysia since 2007.

Working Experiences

Lead HSE Consultant	National/Multinational Companies	July 2002 - currently
Completing more than 100 consultancies job in the area of Engineering and HSE for Petronas, Nippon Oil and Gas Exploration, Tenaga Nasional Berhad, Newfield Inc., Bureau Veritas (M) Berhad, Sabah Electricity Sdn. Bhd., Cocoland Sdn Bhd, Proton, SILK Highway, Canon, Sarawak Energy, Felda, ZCM Quarries, CCCC (ECRL) Sdn Bhd, Keloil Sdn Bhd, Rohm Wako (M) Limited, and many more including SMEs.		
Associate Professor	University of Sharjah, UAE	Sept 2023 - currently
Academic staff and as a Lead Consultant in HSE and Human Factor Engineering for ITPetronas Sdn Bhd		
Academic Staff	UKM, OUM, KLIUC, UPM, UM, UniKL, UITM, UNISEL, UMP, UMK, NIOSH,UTP	July 2002 – June 2022
Delivered certified trainings and lectures, published 350 articles, completed 20 research grants and 140 consultancies projects, received numerous awards and promotions.		
Founding HSE Director	CMeOSH UMK	October 2014 – December 2021
A key person in successfully implementation and certification of ISO45001:2018 OHSMS (1 st government agency in Malaysia in 2019) and recipient of National OSH Award 2018 for UMK. He is Instrumental in the establishment of NIOSH in UMK. Spearheaded the OSH knowledge schools, industries and communities.		
Founding Director	PPIA UMK	February 2016 – December 2017
Pioneering the establishment of project and infrastructure management office based on the requirements of UBBL and Toyota Management System in the Infrastructure and Asset Management Office of UMK.		
Founding HSE Director	OSHMO UMP	May 2012 – March 2014
Key person in successfully implemented OHSAS 18001 and HSE compliances systems in the institutions.		
Design Engineer	PROTON Malaysia Limited	July 2001 – June 2002
Designing of automotive surfacing CAD. CAD model integration, virtual assembly & interference check with regards to NPI requirements. Provided timely engineering CAD data, BOM & reports to support R&D.		

Education

UNIVERSITI TEKNOLOGI MALAYSIA

2013

Doctor of Philosophy in Mechanical Engineering with total 25 articles published in reputable publications.

UNIVERSITI PUTRA MALAYSIA

2005

Pioneer graduate for Master of Science in Manufacturing Systems Engineering, CGPA: 3.96/4.00.

UNIVERSITI KEBANGSAAN MALAYSIA

2001

Graduated in Bachelor of Mechanical and Materials Engineering with Honors .2nd Class Upper Division.

Professional Affiliations and Skills

Currently 27 registered licensed and competency certifications in Engineering and Health Safety Environment (HSE)

Registered ASEAN Chartered Professional Engineers (ACPE)
Certified International Registered of Certificated Auditor (IRCA) as Lead Auditor ISO45001:2018 Occupational Health Safety Management Systems (OHSMS).
Registered Professional Engineer (Mechanical) with Practicing Certificate (P.Eng with PC) under Board of Engineers Malaysia (BEM)
Registered Professional Technologist (Manufacturing & Industrial Technology) under Malaysia Board of Technologists (MBOT)
Registered Safety and Health Officer under Department of Occupational, Safety and Health (DOSH) Malaysia.
Corporate Member, Institutions of Engineers Malaysia (IEM)
Registered Subject Consultant in Noise and Vibration under Department of Environment (DOE) Malaysia.
Registered Noise Risk Assessor (NRA) Department of Occupational, Safety and Health (DOSH) Malaysia.
Registered Initial Ergonomics Trained Person (Initial ETP) Department of Occupational, Safety and Health (DOSH) Malaysia.
Registered Advanced Ergonomics Trained Person (Advanced ETP) Department of Occupational, Safety and Health (DOSH) Malaysia.
Registered Competent Person as Certified Environmental Professional in Scheduled Waste Management (CePSWaM), Department of Environment (DOE), Ministry of Natural Resources and Environment Malaysia.
CEPSTPO, Department of Environment (DOE), Ministry of Natural Resources and Environment Malaysia.
Holder of NIOSH Oil and Gas Safety Passport (OGSP) registered under NIOSH Malaysia.
Holder of BOSET / HUET Certificate
Registered Expert Panel NOSS (MC03-00 -3.1 & 3.6 and BC13-00 – 13.6) Department of Skill Development Malaysia
Certified of Construction Safety and Health Officer (CSHO), under CIDB
Technical Committee on Industrial Hygiene (Noise Exposure) Examination Board, NIOSH Malaysia
Technical Committee on TCW / MS Safety of Machineries SIRIM Malaysia
Panel Examiner for NIOSH/DOSH Examination for Noise Competent Person Examination and Oral Interview.
Senior Panel Auditor for Engineering Accreditation Council (EAC) under Board of Engineers, Malaysia (BEM)
Panel Evaluator for Research Proposal under Ministry of Higher Education Malaysia for Fundamental Research Grant Scheme (FRGS)
Certified NIOSH Trainer (Completion TTT1 and TTT2)
Certified Trainer for Safety and Health Induction for Construction Worker, NIOSH and CIDB Green Card
Certified Indoor Air Quality Assessor (IAQ) under NIOSH Malaysia
Certified Legislative Requirements for Hazardous Chemicals (CHRA Module 1, 2 and 3) under NIOSH Malaysia
Certified Industrial Hygiene Technician I and II (IHTI and IHTII) under NIOSH Malaysia
Certificate of Radiation Protection Officer (Category: Industry, Level 3) under Nuklear Malaysia.

List of Completed and Selected HSE and Engineering Project

No.	Title of Project	Client
1.	Noise Risk Assessment and Noise Modelling Study Offshore Oil & Gas Platform of East Piatu, Kerteh, Terengganu, Malaysia.	Newfield Inc. & Bureau Veritas Inc.
2.	Noise Risk Assessment and Noise Modelling Study Onshore Exploration Oil & Gas Platform of Adong Kechil West Miri- 1, Miri, Sarawak, Malaysia.	Nabors Industries, JX Nippon Oil & Gas Exploration & Bureau Veritas Inc.
3.	Noise Assessment and Noise Modeling Proposed Co-Generation Expansion Project at Petronas Penapisan (M) Sdn Bhd.	Petronas Penapisan (M) Sdn Bhd.
4.	Noise Assessment and Noise Modeling Proposed PSR – 2 Revamp Project Petronas Penapisan (M) Sdn Bhd.	Petronas Penapisan (M) Sdn Bhd.
5.	Petronas Penapisan (M) Sdn.Bhd : Predict Outdoor Noise Propagated to the environment for the proposed Co-Generation Expansion Plant – Technical Report for Petronas Penapisan (M) Sdn. Bhd	Petronas Penapisan (M) Sdn Bhd.
6.	Unilever Executive Room: The Sound Transmission Loss for Meeting's Room and Director Room , 12th Floor, TELEKOM Tower, Technical Report For Unilever Sdn Bhd	Telekom Malaysia
7.	Noise Assessment and Noise Modeling Proposed BioGen's Full Scale Model (FSM), SREP Plant at Mukim Seriting, Jempol Negeri Sembilan	Malaysia Energy Centre
8.	DBP Amphitheatre Roof Design Modification: Impact Test for DBP Amphitheatre Roof Accordance to ISO 140 – 7 and ISO 717 – 2 Standards, Technical Noise Report for Anjung Bahasa Dewan Bahasa dan Pustaka.	Jabatan Kerja Raya Malaysia.
9.	Noise Risk Assessment and Control at Helicopter Hangar Sultan Ismail Airport Kota Bharu Kelantan.	Westar Aviation Sdn Bhd
10.	Noise Risk Assessment and Control at Workshop.	Scania (M) Sdn. Bhd.
11.	Noise Risk Assessment and Control at Sijingkat Power Corp, Kuching, Sarawak, Malaysia.	Sarawak Energy Sdn Bhd. & Bureau Veritas Sdn bhd.
12.	Ergonomics Risk Assessment for Stesen-stesen Janakuasa TNB Cameron Highland Pahang, Malaysia.	Tenaga National Berhad
13.	Noise Technical Report for Detail EIA for Puteri Harbor, JSNAC and Nusajaya due to Singapore Military Activities.	Ministry of Defence Malaysia
14.	Initial Noise Exposure Monitoring at Stesen Janakuasa Sultan Ismail, Paka Terengganu.	Tenaga National Berhad