PETROSYNC
Synchronize Your Skill and Knowledge

PetroSync Global Pte Ltd | PetroSync | PetroSync

HAZOP LEADER & METHODS MASTERCLASS

Sculpt Your Skills & Knowledge from The Expert!

Course Level : Intermediate

30th June - 03rd July 2026 at Bali, Indonesia | 22nd - 25th September 2026 at Kuala Lumpur, Malaysia

Petrosync Distinguished Instructor
Akhtar Quddus

Managing Director & CEO
MaxTrain International & MaxSafe Engineering

A lot of Practical Things, Case Studies and Exercises !

- Having over 30 years of experience providing consulting & training services in occupational Safety to various clients in Pakistan, Saudi Arabia, UAE, Oman, Jordan, Azerbaijan, S. Korea, Malaysia, India.
- Trained, Evaluated and Certified over 25,000 Safety Critical Personnel
- NEBOSH (UK) International General Certificate approved trainer
- NEBOSH (UK) International Technical Certificate for Oil & Gas Safety approved trainer
- IOSH (UK) Managing Safely & Working Safely licensed trainer
- CIEH (UK) Level 4 H&S in the Workplace licensed trainer
- CIEH (UK) Risk Assessment Principles & Practice licensed trainer
- CIEH (UK) Principles of COSHH licensed trainer
- OHSAS 18001 Lead Auditor

Key Skills & Credits

- ILO / IOSH / NEBOSH / HABC / CIEH / OGSC / OPITO approved international trainer & assessor for Personal & Process Safety.
- Process Safety & Integrity Management / HAZOP / LOPA / SIL Leader
- Incident Investigation Team Leader & Root Cause Specialist.
- Asset Integrity & Reliability Assurance & Asset Life Cycle Management.
- Certified Train the Trainer & Master Creative Trainer
- IRCA certified Lead Auditor for OHSAS-18001
- Ex-Chairman, American Society of Safety Professionals, Pakistan Chapter
- National HSE Consultant - Int'l Labor Organization
- Sr. OSH Advisor - Employers Federation of Pakistan
- OSH Consultant - International Organization of Employers
- OSH Expert Member - Sindh OSH Council
- Life Member Pakistan Engineering Council, Fellow Institute of Engineers Pakistan, Founder Member Fire Protection Association Pakistan, Member NFPA, Member IOSH, Member CIEH, International Member ASSP

Testimonials

"Demonstrates a strong ability to identify, analyze and recommend possible solutions based on complex data analysis."
"A professional trainer with excellent experience in his field possessing all skills and knowledge which assisted him to present his training sessions with integrity and professionalism."
"1 found him very composed,audience oriented, technical strength, rich in experience, well prepared and in a nutshell, I can call him a good trainer."
"Displays a strong knowledge of customer's business."
"A competent trainer with excellent humane values display for adequate communications and ensuring the message through the trainees mind, nally in attitude."

Supported by

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Course Overview

Complex processing with inherent hazards requires systematic methods for hazard identification and assessment. Hazard and Operability Study (HAZOP) is a rigorous, structured and systematic examination of a planned or existing process or operation in order to identify and evaluate problems that may represent risks to personnel or equipment, or prevent efficient operation. It can be adapted to a variety of processes and technologies.

The effectiveness and efficiency of a HAZOP depends on the competence of the leader as well as experienced & committed team members. This course will help leaders develop the skills necessary to make HAZOP a cost- effective aspect of their process development, design and management in their organization.

HAZOP study minimizes the potential of catastrophic process incidents, increases the understanding of processes thereby improving operations and helps comply with the regulatory requirements.

The course is aimed at providing a fundamental understanding of HAZOP and other PHA techniques and provide the participants with in-depth practice through case studies, industry examples and class-room activities to enable and empower them to conduct HAZOP studies at their workplaces.

Course Objectives

- Understand the basic concepts of Process Hazard Analysis (PHA)
- To understand minimum OSHA requirements for PHA studies
- To learn and understand HAZOP methodology
- To be able to adequately plan and prepare for an HAZOP study
- Be able to conduct and document a HAZOP study

Who Should Attend?

- Experienced HAZOP team members who are moving on to team leadership
- Those who need to refresh & update their HAZOP experience
- Engineers & other technical personnel who are new to HAZOP study
- Process & project / design engineers, plant operations / production engineers, mechanical, electrical, instruments & control engineers

Training Methodology

- The workshop is designed as highly interactive session with practical examples, video clips & quiz interludes, where appropriate. The training content will particularly focus on practical issues arising while working on an operational plant.
- Highly engaging format with a qualified & experienced facilitator to enrich the delegates' experience via real life examples & interactive discussions.
- Case studies, group discussions & syndicate sessions to ensure that the course content is both engaging & interesting and team leaders and team members practical experience in their respective roles.
- Supporting materials include a comprehensive manual & handouts, practical and useful checklists, forms and formats. Video material will be used extensively to support the presented material.

IN-HOUSE SOLUTIONS

SAVE COST • IMPROVE PERFORMANCE • REDUCE RISK

PetroSync understands that in current economic climate, getting an excellent return on your training investment is critical for all our clients. This excellent training can be conducted exclusively for your organization. The training can be tailored to meet your specific needs at your preferred location and time. We will meet you anywhere around the globe.

If you like to know more about this excellent program, please contact us on +65 3159 0800 or email general@petrosync.com

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Course Agenda

Day 1

- Overview of process safety management
- Why is PHA required & how is it different from JSA/JHA
- Different PHA methodologies (What if, Checklist, Fault Tree Analysis, FMEA)
- Requirements under OSHA/DuPont/RBPSM
- Linkage of PHA to other PSM Elements
- Essential information requirements & preparations for conductions PHAs.
- Logistics & procedures for pre-meeting, meeting, & post-meeting tasks
- What-if/checklist technique
- Workshop: What-if/checklist review of a continuous process

Day 2

- HAZOP methodology
- Team selection & responsibilities
- Successful leadership factors
- HAZOP Team R&Rs
  - HAZOP team selection & responsibilities
  - Successful leadership factors & meeting facilitations
  - Understanding team dynamics
  - Creating consensus and overcoming conflicts
- HAZOP / PHA Preparations & Prerequisites
- Understanding P&ID and Node selection
- Understanding design intent, process parameters, guidewords & deviations
- Identifying credible process deviations
- Cause, Consequences of deviations
- Workshop: HAZOP review of a continuous process

Day 3

- Identifying & evaluating existing safeguards
- Common pitfalls and how to avoid them
- Human factors concepts & how to address human factors during hazard evaluations
- Overview of LOPA & SIL Analysis
- Management of Change & HAZOP implications
- Workshop: Planning for & conducting a HAZOP Study from client examples

Day 4

- Developing SMARTER Recommendations & action plan
- HAZOP reporting
- Use of software
- Management of change
- HAZOP case study

PROGRAM SCHEDULE

08:00	Registration (Day1)
08:10 – 10:00	Session I
10:00 – 10:15	1st Tea Break
10:15 – 12:00	Session II
12:00 – 13:00	Lunch Break
13:00 – 14:45	Session III
14:45 – 15:00	2nd Tea Break
15:00 – 16:00	Session IV
16:00	End of Day

*Schedule may vary for each training

HYBRID TRAINING SOLUTIONS

FOCUS TRAINING • REDUCE COST • ENHANCED RESULTS

Over the years, there has been a growing demand for hybrid training programs. It is an excellent option to maximize your training dollar for your specific training needs. We make it possible to run a training program that is customized totally to your training needs at a fraction of an in-house budget!

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Instructor Profile

Petrosync Distinguished Instructor

Akhtar Quddus

Managing Director & CEO
MaxTrain International & MaxSafe Engineering

Akhtar Quddus is an international HSE & Process Safety consultant, auditor & trainer with over 40 years of diversified experience. He worked with government, private & multinational organizations in various sectors including oil & gas, chemical & petrochemical, fertilizer, energy & power, engineering, FMCG, textile industry, construction, transportation & heavy cargo lifting & haulage companies in Pakistan, Saudi Arabia, Jordan, UAE, Oman, Azerbaijan, Malaysia, Thailand, Indonesia, S. Korea, Vietnam & India. He has proven experience of delivering & exceeding client expectations, successfully developing, implementing & auditing HSE management systems & processes, Risk Assessment & Risk Registers per recognized engineering & industry best practices.

Major Areas of Training & Consulting

- ILO, IOSH (UK), NEBOSH (UK), CIEH (UK), HABC (UK), OGSC (Singapore), OPITO (UK) & ILO accredited trainer
- OHSAS 18001 Lead Auditor & licensed Trainer
- Incident Root Cause Analysis Team Leader & Master Root Cause Specialist
- Hazard Identification, Risk Assessment & Risk Control, Risk Matrices & Risk Registers
- Fire Risk Assessment & Management Programs. Fire & HSE Inspections, Surveys & Audits
- Developing, Implementing, Assessing & Auditing Health & Safety Management Systems, Plans & Programs
- Developing, Implementing, Assessing & Auditing Process Safety Management Systems. Plans & Programs
- HAZOP / LOPA / SIL Studies for a wide variety of operations & organizations.
- Asset Integrity & Reliability Based Maintenance throughout the asset life cycle.
- Behavioral Safety Systems Training, Assessment & Implementation Management
- Safety Leadership & HSE Culture Surveys / Awareness & Promotion Campaigns
- Regulatory & RAGAGEP Compliance Assessments & Audits
- Business Continuity, Emergency Planning & Disaster Recovery Planning
- Crane Inspection, Critical Lift Planning, Rigging Study & Management of Lifting Operations

Partial Client List

- BP Pakistan
- Byco Petroleum Pakistan
- English Biscuit Manufacturing
- Pakistan State Oil
- International Steels
- Eni Pakistan
- Enar Petroleum Refining Facility
- Dewan Petroleum
- K-Electric
- Laraib Energy
- Lucky Electric Power
- Pakistan Petroleum
- Pakistan Refinery
- Oil & Gas Development Co. Ltd.
- Pak American Fertilizer
- Mari Petroleum Co. Ltd.
- NOMAC, Saudi Arabia
- FUCHS Petroleum, Saudi Arabia
- Sur Power Plant (Oman)
- United Energy Pakistan
- Descon Engineering
- Coronet Foods (Pvt.)
- Tuwairqi Steels
- Sami Pharmaceuticals
- Engro Fertilizer Pakistan
- HASCOL Petroleum
- Fauji Foundation Electric Power
- HUBCO Power Co.
- MOL Pakistan
- Attock Refinery
- Pakistan Int'l Bulk Terminal
- Sui Northern Gas Pipeline
- Fauji Power Electric
- Shell Pakistan
- Anton Oil Field Services
- SABIC R&D, Saudi Arabia
- SWCC, Saudi Arabia
- Al Kamil Power, Oman

INVESTMENT PACKAGES

Please checklist the package that you are attending!

	HAZOP Leader & Methods Masterclass SCHEDULES	LOCATION	PRICE
☐	30th June - 03rd July 2026	Bali, Indonesia	USD 3,495
☐	22nd - 25th September 2026	Kuala Lumpur, Malaysia	USD 3,295

** All prices are subject to change without notice and are not guaranteed, except that prices for an order that have been accepted by PetroSync is not subject to change after acceptance*

** Price is nett excluding Withholding Tax if any and will be quoted separately. Please send us the withholding tax payment receipt.*

DELEGATE DETAILS

1st Delegate Name _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

2nd Delegate Name _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

3rd Delegate Name _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

4th Delegate Name _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

**Please fill all the details including mobile number. This help us to contact participant if they are late in class or if there is any urgent update (through whatsapp/call)*

INVOICE DETAILS

Attention Invoice to: _____

Direct Line Number: _____ Fax: _____

Company: _____ Industry : _____

Address: _____ Postcode: _____

Country: _____ Email: _____

Please note:
- Indicate if you have already registered by Phone ☐ Fax ☐ Email ☐ Web ☐
- If you have not received an acknowledgement before the training, please call us to confirm your booking.

PAYMENT METHODS

☐ **By Credit Card**

☐ **By Direct Transfer : Please quote invoice number(s) on remittance advice**

PetroSync Global Pte Ltd Bank details:
Account Name : PetroSync Global Pte Ltd
Bank Name : DBS Bank Ltd
Bank Code : 7171 • Bank Swift Code : DBSSSGSGXXX • Branch code : 288
Account No : 0288-002682-01-6-022 (USD)
Bank Address : 12 Marina Boulevard, Level 3. Marina Bay Financial Centre Tower 3. Singapore 018982

All bank charges to be borne by payer. Please ensure that PetroSync Global Pte Ltd receives the full invoiced amount.

PROGRAMME CONSULTANT

Name : Cay Aagen
Email : registration@petrosync.com
Phone : +65 3159 0800

TERMS AND CONDITIONS

DISCLAIMER

Please note that trainers and topics were confirmed at the time of publishing; however, PetroSync may necessitate substitutions, alterations or cancellations of the trainers or topics or location (classroom / Virtual). As such, PetroSync reserves the right to change or cancel any part of its published programme due to unforeseen circumstances. Any substitutions or alterations will be updated on our web page as soon as possible.

DATA PROTECTION

The information you provide will be safeguarded by PetroSync that may be used to keep you informed of relevant products and services. As an international group we may transfer your data on a global basis for the purpose indicated above. If you do not want us to share your information with other reputable companies, please tick this box ☐

CANCELLATION POLICY

Delegates who cancel after the training is officially confirmed run by email, are liable to pay the full course fee and no refunds will be granted. You may substitute delegates at any time as long as reasonable advance notice is given to Petrosync.

In the event that PetroSync cancels or postpones or change the trainer or change the training location (classroom / virtual) of an event for any reason and that the delegate is unable or unwilling to attend in on the rescheduled date, you will receive a credit voucher for 100% of the contract fee paid. You may use this credit voucher for another PetroSync to be mutually agreed with PetroSync, which must occur within a year from the date of postponement.

PetroSync is not responsible for any loss or damage as a result of the cancellation policy. PetroSync will assume no liability whatsoever in the event this event is cancelled, rescheduled or postponed due to any Act of God, fire, act of government or state, war, civil commotion, insurrection, embargo, industrial action, or any other reason beyond management control.

CERTIFICATE OF ATTENDANCE

80% attendance is required for PetroSync's Certificate of Attendance.

DETAILS

Please accept our apologies for mail or email that is incorrectly addressed.
Please email us at registration@petrosync.com and inform us of any incorrect details. We will amend them accordingly.

Find us on Social Media:

PetroSync Global Pte Ltd
PetroSync
PetroSync

CHARGES & FEE(s)

- For Payment by Direct TelegraphicTransfer, client has to bear both local and oversea bank charges.

- For credit card payment, there is additional 4% credit card processsing fee.

COURSE CONFIRMATION

I agree to PetroSync's payment terms and cancellation policy.

Signature : _____

Date : _____

PAYMENT TERMS : Payment is due in full at the time of registration. Full payment is mandatory for event attendance.