



xSeriCon

Safety specialists & risk consultants

**FROM
COMPLIANCE
TO
CONFIDENCE**



*Safer.
Easier.
Smarter.*

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Consulting | Software | Training

Trusted by

أرامكو السعودية
saudi aramco



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SAMSUNG



قطر للطاقة
QatarEnergy



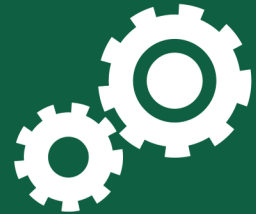
PETRONAS



MSD



Shell



TIMELY &
EFFECTIVE
SAFETY
SOLUTIONS

xSeriCon supports organizations throughout the process safety lifecycle with expert HAZOP, SIL, and Alarm Management consultancy; Advanced software solutions; and high-quality, industry-focused training.

COMPANY OVERVIEW

ABOUT US

xSeriCon is an engineering consultancy specialising in process safety and risk management for complex industrial facilities. We support the safe design, operation, and optimisation of safety-critical systems that protect people, assets, and the environment from major accident hazards.

Our expertise includes HAZOP and process hazard analysis, functional safety lifecycle management, alarm management, automation system risk assessment, and quantitative reliability studies.

We work with clients in oil & gas, petrochemicals, energy, chemicals, advanced manufacturing, and high-technology industries worldwide.



**Transformative
Process Safety & Risk Managing**



Our services cover HAZOP, functional safety, alarm management, and risk analysis, complemented by expert training and proprietary software solutions.

***From Compliance To Confidence
This is the xSeriCon way***

FOUNDER / MANAGING DIRECTOR

DR. PETER CLARKE

祈彼德 博士

CFSE CERTIFIED

NEBOSH CERTIFIED

CHARTERED CHEMIST

PETER.CLARKE@XSERICON.COM

Dr Peter Clarke brings over 20 years of international experience in process hazard analysis and functional safety across oil & gas, petrochemical, energy, pharmaceutical, semiconductor, and high-technology industries worldwide.

He has led numerous HAZOP, SIL, LOPA, ALARP, and Alarm management studies globally and is a well known conference speaker and trainer in process safety.



Experience. Integrity. Technical Depth.



Tim is a process risk management specialist with extensive experience in industrial gas and semiconductor facilities. He has led HAZOP, LOPA, Bowtie, and Fault Tree Analysis studies and supports clients in MOC, audits, and incident investigations.

Tim is native Chinese speaker and has experience in the industrial gas & semiconductor sectors.

SENIOR CONSULTANT

TIM HSIAO 蕭冠文 (CFSP Certified)

Functional Safety Engineer (TÜV Rheinland)

#24890/22 – PH & RA, 2022

TW Occupational Safety Management Class A Certification, 2022

TIM.HSIAO@XSERICON.COM

OUR EXPERTISE

xSeriCon's role is to provide assistance at every stage of the lifecycle of process industry facilities, from risk assessment to design, commissioning and operations. We "Make it easier to do it right."

We facilitate structured workshops including HAZID, HAZOP, CHAZOP, ALARP demonstration, LOPA, and Fault Tree Analysis. Our studies are technically rigorous, clearly documented, and focused on practical risk reduction.

15+ Years Leadership Experience, 270+ Trusted Clients, 140+ Projects Completed



PROCESS HAZARDS ANALYSIS

We have vast experience in facilitating HAZID, HAZOP, CHAZOP and ALARP demonstration workshops in a wide range of industry sectors.



RISK QUANTIFICATION

We have the knowledge and tools to execute your SIL assessment, LOPA and Fault Tree Analysis study. Ensuring your operation meets the highest standard.



FUNCTIONAL SAFETY

Functional Safety Management planning, Safety Requirements Specification development, verification, validation, Functional Safety Assessment (FSA) — we handle it all.



ALARM MANAGEMENT

We can support the full alarm management lifecycle, including the critical step of Alarm Rationalization. This ensures your alarm system provides the needed risk reduction.



OPTIMIZATION STUDY

We help you unlock the power of RAMS (Reliability, Availability, Maintainability Study) to optimize plant redundancy, preventive maintenance, spare parts inventory and manpower.

Global Experience. Specialist Focus. Independent Advice

HIGH QUALITY TRAINING FROM XSERICON

“Everyone was satisfied with the level of knowledge transfer that you did. Understandable and to the point.”

— Umicore, Belgium

xSeriCon's training team has an excellent reputation for clear, accurate and high quality teaching, developed over many years of service to the industry. All our courses reflect our belief that training should be cost-effective and focused on meeting the student's specific objectives. xSeriCon offers two modes of study:

Modular format for self-paced study

For students preferring to work at their own pace and avoid travel and accommodation costs, xSeriCon offers its most popular courses in an interactive modular format designed for self-study. Modules can be purchased individually or in a set. Self assessment exercises are included, supported by online access to an xSeriCon tutor.

Conventional Format

We offer in-house courses at your training facility, tailored for length and content to suit the topic and depth required. Courses can range from a single day up to two weeks. Alternatively, courses can be taught online by xSeriCon's tutor. Courses are presented in a highly engaging and interactive style, with many practical exercises and case studies. Assessments can be included if desired.

Our Course List

- I. Introduction to Process Hazards Analysis, including HAZID and HAZOP*
- II. HAZOP for participants*
- III. HAZOP for leaders*
- IV. CHAZOP (Control Systems HAZOP)*
- V. Fault Tree Analysis (FTA) and Event Tree Analysis (ETA)*
- VI. LOPA (Layer Of Protection Analysis)*
- VII. Introduction to Functional Safety*
- VIII. How to build and implement a Functional Safety Management Plan (interactive workshop)*
- IX. SIS basic engineering*
- X. Alarm management per ISA 18.2 / IEC 62682*
- XI. SIL verification per IEC 61508/61511*
- XII. Safety Case development per COMAH*
- XIII. Preparation for CFSP/CFSE examination*

New courses are continually under development. Contact us if the course you require is not listed here.



SILability - Practical SIL Verification. Engineered with Precision.

SILability simplifies complex SIL verification while maintaining full compliance with IEC 61508 and IEC 61511. Built by experienced functional safety engineers, it delivers accurate, defensible results for even the most complex safety instrumented functions.

- PFDavg & PFH calculation
- Architectural constraint validation
- Safe Failure Fraction (SFF)
- MTTFs analysis
- 4,000+ failure rate database
- Professional report export

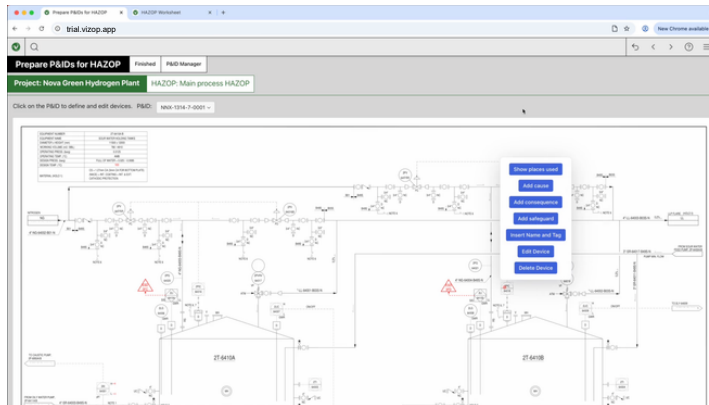


"We've been using xSeriCon's SILability software and have been extremely impressed with its functionality and ease of use. Compared to other SIL software we evaluated, SILability stands out for its intuitive interface and comprehensive features."



Vizop - Next-Gen HAZOP, LOPA & Alarm Management

Cloud-based, Intuitive UI/UX, Easy transition, Multi-view
Prevent costly project delays: Click Less, Analyze More!



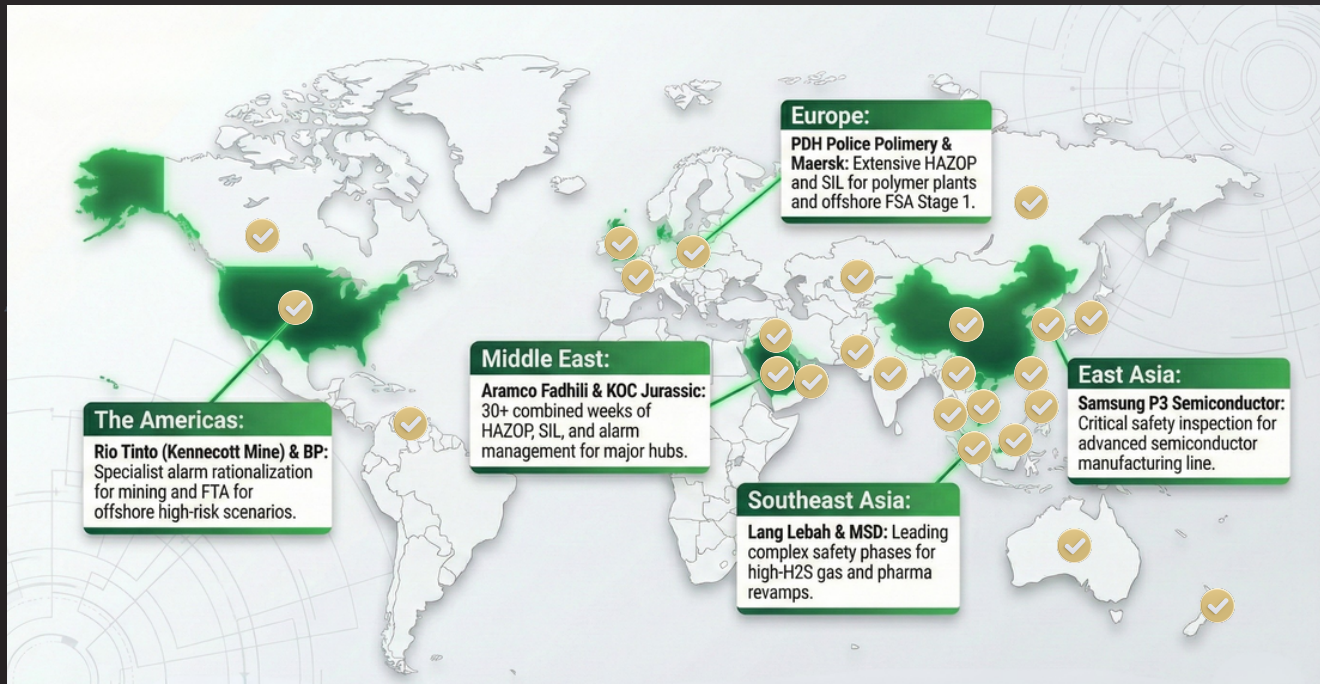
Vizop replaces spreadsheet-heavy safety studies with a visual, structured digital workflow. Designed by experienced facilitators, it enhances productivity, consistency, and traceability across HAZOP, LOPA, and alarm management studies.

- Visual HAZOP linked to P&IDs
- Structured LOPA workflow
- Integrated alarm management tools
- Fast navigation across large studies
- One-click Excel import/export
- Browser-based collaboration

Free Trial
Available

A Real Game-Changer, Try it Yourself Now!

140+ Projects across 25+ Countries, xSeriCon support safety-critical operations worldwide.



CONTACT US

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