

JOHAN TALJAARD

Profile



Johan Taljaard is an international consultant in risk management, industrial incidents, and hazardous materials, chemical handling HSE, SHEQ and IMS with over 40 years of practical industrial experience in the field. His wide area of expertise also includes environmental management (ISO 14001); safety management (ISO 45001); quality management (ISO 9001); hazard identification; risk assessment surveys; quantification and analysis; operational control reviews; health, environmental and quality systems benchmarking and he has worked in as many as 30 countries across the globe.

Johan is the founder of ISTECS, an international risk, health and safety management and consultancy company where he is primarily involved in the development and implementation of SHEQ standards and programme, operational safety guidelines, inspections and auditing techniques. While Johan has been particularly active in the process industry for almost three decades, he has likewise headed consultancy projects for major petrochemical, aviation, engineering and construction, mining and chemical industries. In all his projects, he utilises a systems approach, which includes risk management, process safety, health and environmental management, human behaviour and quality management.

With Johan's innate skill and tact, coupled with his extensive practical knowledge and experience, he has built a formidable reputation and is highly regarded in the field of safety, health, and environmental and quality management. Furthermore, he has come to share his expertise through the numerous international training sessions he has held on handling hazardous materials and chemicals, petroleum products handling and transportation, safety auditing, hazard identification and site inspection (*USA BEAC Examination Preparation Course*), risk assessment and accident/incident investigation for several significant clients, among which ARAMCO, SABIC, ZADCO, ORPC, KOTC and AADC in the Middle East.

During his career, he completed various assignments as a consultant, trainer, facilitator, auditor and designer of tailored risk management systems and techniques aimed for the prevention of operational injury and loss. Johan has conducted numerous licenced international safety, technology and auditing awareness and implementing training courses including IMS, ISO 9001, ISO 14001, ISO 27001, ISO 22000, ISO 45001 audits and assessments. Previously, he was a Safety Superintendent, a Senior Safety Official and a Senior Process Controller for several international petrochemical companies.

Furthermore, he has a National Diploma in Safety Management (NADSAM) and continues to hold certifications as trainer and development consultant for international companies like the British Standards Institution (BSI), ISOQAR, DQS and SAI Global.

EXPERIENCE

Johan Taljaard has been active in the chemical industry (oil and gas) in South Africa for 40 years. He then focused on safety management and health, environmental and quality systems benchmarking and worked in as many as 30 countries across the globe. He founded an international health and safety management and training consultancy company, ISTECH that still operates successfully today. Since then, he has focused on international management standards training and certification.

MAJOR INCIDENT INVESTIGATION

Johan conducted incident investigations from 1980 to 1993 internally as Chief of Safety for a petrochemical and coal mining company in South Africa.

He has launched investigation incidents on behalf of clients as a third party since 1994. He has been appointed by global companies as lead investigator for various ICAM interventions. Facilitated independent subject matter experts to determine root causes of incidents.

Experience and competency:

- Investigation of fatal incidents and explosions in various countries: Peru, Chile, Hong Kong, the Middle East, Sub-Saharan Africa
- Investigation and facilitation of serious incidents and fatalities
- Leading an industrial investigation team during a pandemic
- Assisting in legal actions on behalf of law firms
- Majority of cases investigated legally privileged
- Assisting various blue chip companies: BHP, Billiton, Sasol, Anglo, SABIC, Glencore
- Nature of incidents: Fires in Petrochemical plants, various traffic related accidents, explosions, loss of containment, fall of ground, methane gas explosions underground mines.
- Familiar to utilise and facilitate combined methods and techniques to determine root causes of incidents:
 - Risk Assessment and RCA ISO 31010 Methods and Techniques
 - Incident Cause Analysis Method ICAM –mostly combination of Dr James Reason's Model – Hazard-Barrier-Target Analysis
 - Tap Root and RCAT

Johan specialises in work-related injury and fatality investigations to assist corporate clients against legal and union action. He is also interested in competence of injured workers and advising corporations on human error, workplace conditions and system/organisational factors.

His competency involves a focused approach on SHEQ – auditor training, risk assessment, root cause analysis, incident investigations and certification.

Johan has developed his own method Hazard-Barrier-Target Analysis, which he mostly facilitates in the investigation through time and event lines.

His process safety training in oil and gas is updated with the latest ISO 31000, and ISO 31010 methods and up to ISO 45001.

CONSULTANCY

Johan has spent forty active years in the field of occupational health and safety management, training and consultancy and is the founder of the international company, ISTECH. During this period, he completed various assignments as a consultant, trainer, facilitator, auditor and designer of tailored risk management systems and techniques – all these activities were aimed at preventing operational injury and loss. Since 2003, he also became involved in developing and implementing world best practice models in risk management. These activities encompass the international ISO 9001, ISO 14001, ISO 45001 and ISO 27001 management standards and models. Operational functions include hazard identification, risk assessment and operational control reviews, hazard identification and risk assessment surveys, quantification and analysis.

Development and implementation of:

- SHEQ management systems and programmes
- Inspections and auditing techniques.
- Training courses.
- Attitudinal perception surveys and behavioural studies and
- Corrective and preventative programs for clients after Incident Investigations

Johan participated in the development of operational safety guidelines for the construction industry that are currently used in many parts of the world.

Consultancy in all the major industries abroad, including:

- Petrochemical;
- Aviation;
- Engineering and construction;
- Mining and general contractor service industries;
- Oil and Gas.
- Energy

His promotion of a systems approach includes risk management, process safety, health and environmental management, human behaviour, and quality management.