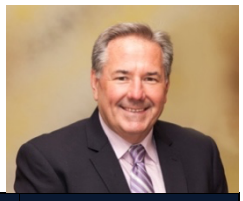
KENAN STEVICK



CCPSC • Process Safety Thought Leader & Advisor

kenanstevick.com | kenan@kenanstevick.com | c. 970-409-2528 | Horseshoe Bay, Tx

45 Years	90%	2 Books	20	CCPSC	Fellow
Industry Experience	Tier 1 Inc. Reduction	CCPS Published	Exec Workshops	Certified • 2019	CCPS • 2015

PROFESSIONAL SUMMARY

- I am a recognized thought leader in process safety — co-author of two CCPS publications that help define the governance framework against which corporate process safety performance is measured in boardrooms and operations around the world: *Process Safety: Leadership from the Boardroom to the Front Line* (Wiley/CCPS, 2019) and *Guidelines for Process Safety in Outsourced Manufacturing, 2nd Edition* (CCPS, 2026).
- I have spent 45 years at the intersection of chemical process safety and operational leadership — 34 of them at Dow Chemical. Critically, 21 of those years were in direct operational roles as Plant Manager, Production Leader, and Site Director, running the facilities where process safety is won or lost at the front line. That hands-on foundation distinguishes my assessments from those of purely academic or staff-function consultants.
- At Dow Chemical (Fortune 50), across two positions I led the corporate initiative that achieved a cumulative 90% reduction in Tier 1 incidents over ten years — including a 75% reduction in Tier 1 and Tier 2 incidents in my first four years as Chief Process Safety Engineer. These results remain industry benchmarks.
- I have demonstrated the replicability of that approach through 20 executive leadership workshops conducted for CCPS and adopted by the American Chemistry Council, with participating organizations reporting measurable improvement in process safety performance.
- I am a Fellow of CCPS (elected 2015) and hold the CCPS Certified Process Safety Professional (CCPSC) designation. Boards, legal teams, and global operations engage me for pragmatic, results-driven process safety leadership that translates across the full spectrum from the boardroom to the front line.

For Boards & Executives

Process safety governance assessed at the board level—before a federal investigation, a catastrophic incident, or a shareholder lawsuit forces the conversation. Delivered 20 executive leadership workshops for CCPS, adopted by the American Chemistry Council, with measurable improvement in participant performance.

For Legal Teams

Expert witness testimony grounded in 45 years of operational experience, two CCPS standard-of-care publications, and a litigation track record across five cases with two depositions completed. The standard of care, explained by its author.

For Global Operations

Developing world capacity building, CMO safety governance, and international program development—partnering with development banks, multinationals, and government agencies where the need is greatest and the leverage is highest.

PUBLICATIONS & SCHOLARLY CONTRIBUTIONS

- **K. Stevick, S. Berger,** Guidelines for Process Safety in Outsourced Manufacturing, 2nd Edition, John Wiley and Sons / CCPS, 2026
- **K. Stevick, S. Berger,** Process Safety: Leadership from the Boardroom to the Front Line, John Wiley and Sons / CCPS, 2019
- **K. Stevick,** "Next Generation Root Cause Investigation and Analysis," 11th Global Congress of Process Safety, Austin Texas, 2015
- **J. Champion, K. Stevick, et al.,** "Dow Learnings & Actions from the Deep Water Horizon Accident," 11th Global Congress of Process Safety, Austin Texas, 2015
- **K. Stevick, S. Kadri,** "Process Safety Leading Indicators Survey," Process Safety Progress, AIChE/Wiley, 2014
- Contributor to numerous CCPS publications: Reactive Chemicals, Mechanical Integrity, Process Safety Metrics, Safe Handling of Powders and Bulk Solids, and others

PROFESSIONAL EXPERIENCE

Principal & President *Apr. 2016 – Present*

KPS Inc. — Chemical Process Safety & Risk Management Solutions

Independent process safety practice serving chemical, petrochemical, and pharmaceutical clients across three integrated service areas. All engagements delivered personally.

- Board and executive process safety governance assessments against CCPS standard of care frameworks
- Board-commissioned PSMS assessment across multiple U.S. sites and corporate headquarters for a major specialty chemical company, using the CCPS Risk Based Process Safety framework; company achieved 50% reduction in Tier 1 & 2 incidents within three years; ongoing executive advisory relationship
- I co-developed and personally co-deliver the CCPS executive leadership workshop on process safety governance, based on the book I co-authored; 20 workshops conducted for executive teams including CEOs; adopted by the American Chemistry Council as a standard intervention for member companies
- Instructor for 15 CCPS Fundamentals of Risk Based Process Safety courses, providing foundational process safety training to industry practitioners
- Expert witness and subject matter expert services in process safety litigation and regulatory proceedings; five cases retained, two depositions completed
- Outsourced manufacturing safety governance and CMO process safety audit programs
- Incident investigation and root cause analysis with MS corrective actions driving improved performance
- Leadership coaching and process safety culture development through risk-based management systems
- M&A due diligence for process safety risk assessment and post-acquisition integration
- Select clients: Eastman Chemical, Mitsubishi Chemical (Lucite), Monument Chemical, Brenntag

Senior Director, Projects & Technical Programs *May 2025 – Oct. 2025*

American Institute of Chemical Engineers (AIChE) / Center for Chemical Process Safety (CCPS)

Senior leadership role overseeing strategic technical programs and standard-of-care publications at CCPS.

- Oversaw technical program development, project management, and peer review across CCPS initiatives
- Initiated strategic review of CCPS activities with CCPS member companies and technical committee contributors

Chief Process Safety Engineer/Global Director of Process Safety *Aug. 2009 – Dec. 2015*

The Dow Chemical Company

Most senior process safety technical leadership role at a Fortune 50 global chemical company. Led 70-person Process Safety Technology Center responsible for global application of process safety technology, management systems, and hazard/risk assessment tools.

- Led Corporate Process Safety Tier 1 & 2 Incident Reduction team — achieved 75% reduction in four years. Combined with the preceding role, achieved a cumulative 90% Tier 1 reduction over ten years
- Delivered more than $50 million in reduced incident costs and insurance rates
- Defined and implemented corporate-wide Process Safety Tier 3 & 4 Metrics as leading indicators for Tier 1 & 2 incidents
- Coordinated Process Safety Management System Reviews with Dow's Senior Executives and Board of Directors
- Oversaw legal compliance and risk reduction capital program
- Achieved significant reduction in Dow's corporate risk profile through systematic governance and capital program oversight

Reactive Chemical, Mechanical Integrity & Process Safety Discipline Manager *Aug. 2002 – Aug. 2009*

The Dow Chemical Company

- Led Corporate Process Safety Tier 1 Incident Reduction team — achieved 40% reduction
- Developed technology, management systems, and hazard/risk assessment tools for reactive chemicals, mechanical integrity, and combustible dust disciplines
- Led teams to upgrade Mechanical Integrity, Combustible Dust, and Safety System Impairment Standards globally

Production / Site Director — Hebron, Ohio *Oct. 1998 – Aug. 2002*

The Dow Chemical Company

- Full operational responsibility for safe and efficient operation of Dow's Hebron, Ohio facility; 100 salaried personnel, 20 Contractors
- Achieved year-after-year yield and production records; facility designated preferred site for new product introduction

Global EH&S Business Operations Leader / Responsible Care Leader *Jul. 1995 – Oct. 1998*

The Dow Chemical Company

- Leveraged EHS&S programs across the Styrofoam business — 27 facilities globally
- Developed business-specific EH&S reduction plans; achieved 40% incident reduction in three years

Engineer / Supervisor / Project Manager / Plant Manager *Oct. 1981 – Jun. 1995*

The Dow Chemical Company

- Plant Manager: Styrofoam Plant (Hanging Rock OH) and EPS Plant (Midland MI)
- Project Manager: Design and construction of pharmaceutical manufacturing plant, Midland Michigan
- Engineering and supervisory roles: Phenol/Acetone Plant (Freeport TX), Epichlorohydrin/Glycerin Plant (Freeport TX), Pharmaceutical Plant (Midland MI)

EDUCATION & CERTIFICATIONS

- BS Chemical Engineering — Michigan Technological University, 1981
- Six Sigma Black Belt — 2005
- CCPS Certified Process Safety Professional (CCPSC) — Admitted 2019

PROFESSIONAL AFFILIATIONS & RECOGNITION

- Fellow of the Center for Chemical Process Safety (CCPS) — Elected 2015
- Emeritus Member of the Center for Chemical Process Safety (CCPS) — Appointed 2015

BOARD & EXECUTIVE CONSULTING

Most catastrophic process safety incidents are not caused by technical failures. They are caused by governance failures—gaps between what boards and executives believed about their safety posture and what was actually true at the operational level. Kenan works directly with boards, CEOs, and general counsels to close that gap before a federal investigation, a catastrophic incident, or a shareholder lawsuit forces the conversation.

Services: Board-level process safety governance assessments; executive safety leadership coaching; Process Safety Management System (PSMS) strategic review and optimization assessments; gap analysis against CCPS standard of care frameworks; merger and acquisition due diligence; board reporting structure and safety metrics design; risk classification system development; corporate process safety culture assessment. Board level and PSMS assessments include a design phase with an executive sponsor, a focused executive briefing, and a six-month follow-up review.

Executive Workshop: I co-developed and personally co-deliver the CCPS executive leadership workshop on process safety governance. 20 workshops conducted for executive leadership teams including CEOs. Adopted by the American Chemistry Council as a standard intervention for member companies, with participating organizations reporting measurable improvement.

Track record: 90% Tier 1 reduction over ten years at Dow Chemical (75% Tier 1&2 in first four years as Chief Process Safety Engineer); 50% Tier 1&2 reduction within three years at a board-commissioned client engagement; 20 executive leadership workshops for CCPS/ACC with measurable improvement across participating organizations.

All work delivered personally and with other industry experta. You work with the author of a standard of care, not a team briefed by him.

EXPERT WITNESS & LEGAL SERVICES

Retained as testifying expert witness in five process safety cases involving refinery and chemical manufacturing facility explosions, chemical exposures, fatalities, and property loss. Two depositions completed.

Available as retained expert (plaintiff or defense), consulting expert, and for deposition, trial, arbitration, regulatory, and insurance proceedings. Detailed litigation history and attorney references available upon request.

GLOBAL PROCESS SAFETY CAPACITY BUILDING

The developing world is building chemical and pharmaceutical manufacturing infrastructure at a pace that far outstrips its process safety governance capacity. Kenan's combination of operational experience, CCPS standard-of-care authorship, and outsourced manufacturing expertise maps directly onto this gap—particularly in pharmaceutical contract manufacturing, where India, China, and Southeast Asia represent the majority of global CMO capacity.

Services: Developing world process safety capacity building programs; development bank program design and implementation; multinational CMO supplier safety development; national regulatory framework development; international training programs.

Relevant partners: World Bank Group / IFC; USAID; UNIDO; Asian Development Bank; Global Environment Facility (GEF); Green Climate Fund; Equator Principles banks; bilateral development agencies; multinational pharmaceutical company supplier programs.

Regions: South and Southeast Asia (pharmaceutical CMO); Latin America (petrochemical); Middle East (refining and petrochemical expansion); Sub-Saharan Africa (industrial development).

"Process safety failures are always measured in dollars. The first measurement is lives."

— Kenan Stevick, CCPSC | kenanstevick.com | 970-409-2528