

HSE Philosophy: Personal, Process and Project Safety (PS³)

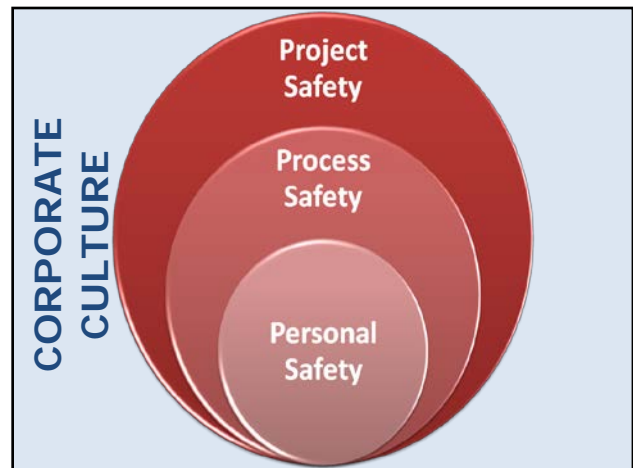
The starting point is corporate culture. This is single most critical factor that determines how effectively a company's safety initiatives will work. The corporate culture, as it relates to achieving safety excellence, is driven by the following criteria:

- Top management is visible committed.
- Middle management is held accountable and is actively involved.
- Supervision is performance focused.
- Workers are engaged and actively participating.
- HSE system is based on clearly defined values but with flexibility to meet site specific needs.
- HSE system is positively viewed by the workforce.

Based on the work of Dan Petersen, Ph.D.

In establishing a strong corporate culture, there are three related safety dimensions that determine the overall effectiveness of a safety program. These are depicted in the following diagram and discussion:

1. **Personal Safety:** *Personal* or *occupational* safety hazards give rise to incidents (i.e. slips, falls, and vehicle accidents) that affect individual worker. *Think HAZID – Hazard Identification!*
2. **Process Safety:** *Process* safety hazards can give rise to major accidents involving the release of potentially dangerous materials, the release of energy (such as fires and explosions), or both. Process safety incidents can have catastrophic effects and can result in multiple injuries and fatalities, as well as substantial economic, property, and environmental damage. Process safety programs focus on the design and engineering of facilities and related issues such as technical management of change, the inspection, testing, and maintenance of equipment, effective alarms and shutdowns, effective process control. *Think HAZOP – Hazard and Operability!*
3. **Project Safety:** *Project* safety considers the integration of these activities and broader hazards related to the management and coordination of multiple activities. It looks it issues focused on the integration of hazard assessments, project management procedures, training of personnel, human factors, administrative and organizational management of change. *Think HAZCOM - Hazard Communication!*



All programs developed by Walter C. Tersmette & Associates begin with these principles in mind.