Abstract

Safety data provides leaders with valuable information needed to drive process safety improvement in their organization. A balanced dashboard of leading and lagging indicators specifically targeted to the unique profile of the company can reveal exposures and at-risk behaviors with the potential for catastrophe. Safety metrics also help leaders uncover opportunities to improve the company culture, impacting attitudes, behaviors, and long-standing routines that have a powerful influence on process safety outcomes.

Leaders can evaluate the current state of their process safety culture by examining several questions that will inform the direction the organization needs to go to gain fluency in catastrophic event prevention. Strong performers are especially adept at the four organizational components of process safety management: Anticipation, Inquiry, Execution, and Resilience.