

# 7 Steps of Chemical Process Quantitative Risk Assessment (CPQRA)

- Quantify risk
- Analyze potential risk reduction strategies



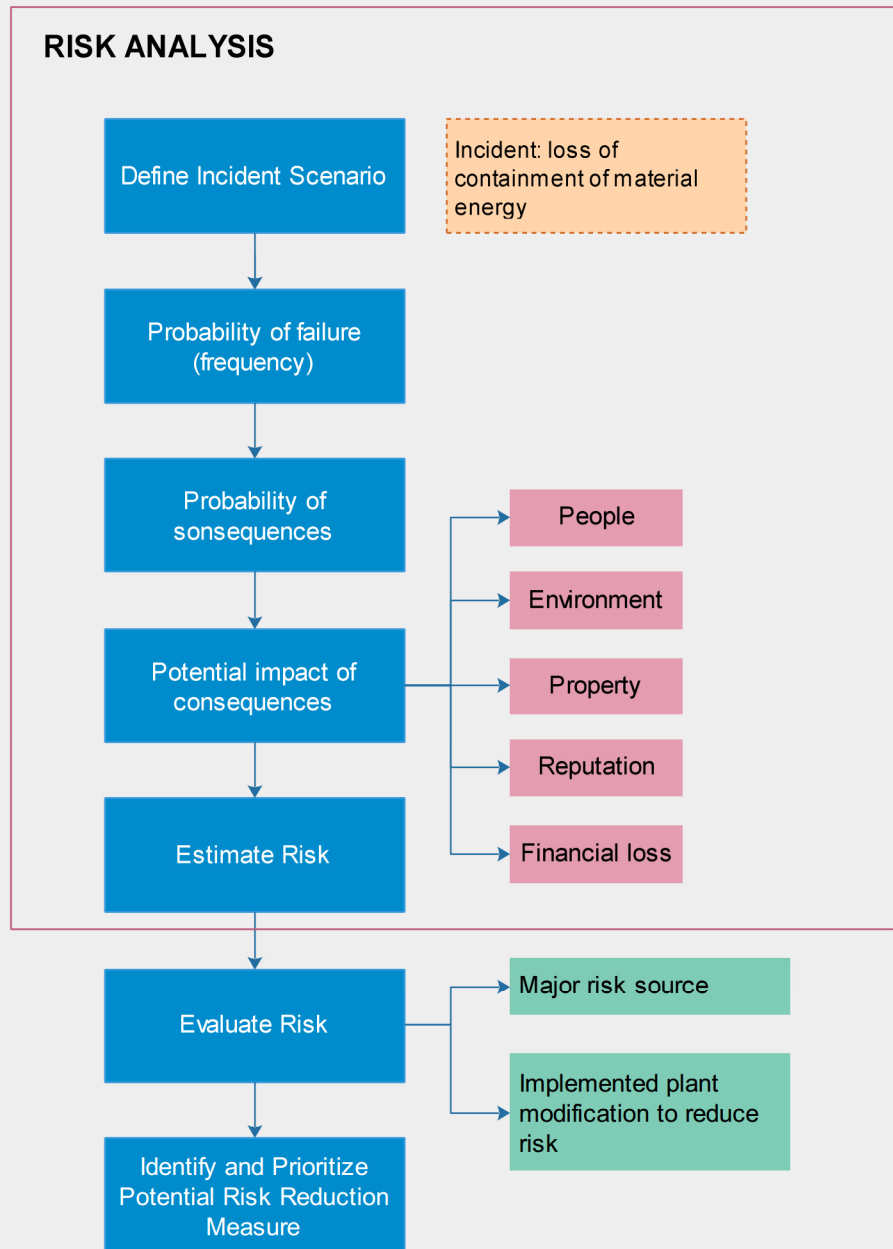
**RISK CONTROL**

$$\text{Risk} = F(s, c, f)$$

s = scenario  
c = consequence  
f = frequency

## RISK ASSESSMENT

### RISK ANALYSIS



Source: CCPS, 2000, Guidelines for Chemical Process Quantitative Risk Assessment, 2nd Edition, AIChE., New York