Inherently Safer Technology – Making it Second Nature

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Abstract

The concept of Inherent Safety is often translated to one of four words that symbolize strategies for achieving inherently safer processes: Substitution, Attenuation, Intensification and Moderation. Many add the concept of simplification to this list although others do not consider this to be “true” Inherent Safety. To this list, the concept of Elegant Design will be added as an alternate strategy toward achieving inherently safer processes. Examples of application of inherently safer operations are provided to demonstrate the concept of Elegant Design as applied to process and non-process applications. Ultimately the goal is to achieve safer process operations and making the concept of inherently safer operations is one strategy for achieving that goal.