



Course Length: 1 Days
Accreditation: 0.7 CEUs

Contact AcuTech Training Institute for more information about future classes or about conducting this training in-house.

Questions?
Email ati@acutech-consulting.com

Course Description

The concepts of inherently safer design and technologies are recognized to have the potential to enhance overall chemical risk management programs. Such concepts have been well received by industry and there has been significant advancement over the past few years, including expansion off the topic into discussions regarding chemical facility security. The State of New Jersey and Contra Costa County, California have both implemented regulatory requirements to mandate consideration of such design concepts. The US Congress has been discussing this issue as an element of the CFATS reauthorization.

For over a decade, AcuTech has conducted inherent safety studies under the pioneering regulations of Contra Costa County, California and more recently for the State of New Jersey for safety and security. The New Jersey Department of Environmental Protection attended a special session AcuTech held to train regulated facilities on IST concepts and methodologies. Due to our in-depth understanding of and practical experience with IST concepts demonstrated during this session, they recommended our services to several companies.

AcuTech was the lead author of the Center for Chemical Process Safety *"Inherently Safer Chemical Processes: A Life Cycle Approach, 2nd Edition"*, a text frequently cited as an authoritative source on inherent safety. This course is based on the concepts in the guideline book and includes the following key topics.

Course Benefits:

- Understanding the role of inherent safer concepts in chemical process risk management
- Learning practical applications of inherently safer strategies (substitute, minimize, moderate, simplify)
- Life cycle stages of applying IST and the cost/benefit of risk reduction
- Issues and conflicts in implementing inherently safer technology
- Outlook for regulatory initiatives and likely impacts
- AcuTech certification of participation