



Course Length: 2 Days
Accreditation: 1.4 CEUs

“Very knowledgeable on the subject matter.”
- Roberto C. Rubina,
First Gas Power Corp.

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

Email ati@acutech-consulting.com

Course Description

In addition to establishment of solid management systems for process safety, there is an increasing focus on man-machine interface - or human factors - aspects of facility management, design, operating and maintenance procedures, and training. While the field of human error and reliability analysis is more mature in the defense, aerospace, and nuclear industries, it is increasingly being used in the process industries and is a required aspect of completing a Process Hazard Analysis for processes regulated by OSHA.

This course provides knowledge necessary to develop and implement a practical and comprehensive program for reducing risk related to human factors in process safety. The course will include methods for analyzing human factors and, in particular, errors in design or operation. Methods and software to systematically analyze human error and human reliability will be reviewed. The intent is to overlay an existing PSM system with a program that emphasizes human factors considerations. This course is intended to develop your knowledge on the principles of human error, human reliability, and human factors in design. Also included is advice to practice methods such as human factors surveys, HAZOP of procedures, and Task Analysis techniques.

Course Benefits:

- Gain knowledge of human error and human factors principles and how they relate to PSM
- Learn to reduce incidents and improve human performance by reducing human error-likely work situations through design, improved work instructions, training, and the recognition of human factors hazards
- Learn about new regulations requiring human factors programs for process safety.
- Learn AcuTech's Human Safety Performance Model for implementing and managing human factors for PSM
- Gain the ability to plan and conduct various human error analysis techniques recognized by the AIChE CCPS
- Practice performing human factors and procedures analyses in realistic workshops