



SAFEPLEX SYSTEMS, INC.

SYSTEMS, PRODUCTS, SERVICES, INTEGRITY

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Operations & Maintenance



Certified Training



International standards, codes and/or regulations for safety in upstream, mid-stream, and downstream petroleum based processes are requiring certified process safety training. There is an increasing need for operations and maintenance personnel to be certified before operating and maintaining any safety systems that provides life safety, process accident prevention, and release mitigation. SafePlex Systems, Inc. teamed up with major petrochemical corporations and TÜV to create a training course that meets the needs of the typical user, and the quality of content that allows SafePlex Systems, Inc. to provide the students a TÜV certification after passing the TÜV approved exam.

POINTS OF CONTENTS

- **TERMS & DEFINITIONS** – Before anyone can understand the goals of the standards, codes and regulations – the language of the documents must be comprehended. Terms such as: SIF, SIL, LOPA, PDF_{AVG}, TI, etc.
- **SIS LIFECYCLE SCOPE** – Operations & Maintenance for safety systems has to be part of a large methodology called SIS – Lifecycle. Verification of SIL rating of modified SIFs, replacement of components with “in-kind” characteristics, and maintaining the SIS overall SIL rating is critical to maintain the certification.
- **RECORDS KEEPING** – Tracking the safety system(s) changes, testing, maintenance, operations, failures (sensors, PES and final devices) and alterations must be done in compliance to all these governing documents.



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***Training Is The Best
Prevention For
Human Errors***



MANAGERS

Forty-eight deaths in the last ten years have occurred in United States petroleum facilities. Most of these deaths can be traced back to human error. Incorrect operation of block valves, startups errors, inadequate maintenance procedures, and misunderstanding of emergency operations has been the root cause of faulty human responses.

Almost every country has a Worker Safety Regulation such as the OSHA 1910.119 in the USA. A key component of the OSHA 1910.119

(PSM) Regulation is the training of operations and maintenance personnel.

In today's litigious culture, having a third party trainer who is approved by the worldwide recognized leader in process safety equipment validation, TÜV, is a legal asset. SafePlex Systems, Inc. will conduct testing of each student. If the student passes the TÜV approved exam, SafePlex Systems, Inc. and TÜV will issue a certificate as proof of the technician or engineer's qualification to work on SIL rated systems, based on the individual having been factory trained on the SIL rated system hardware. SafePlex Systems, Inc. also provides training for the technician or engineer in the Safety Lifecycle methodology of operating the SIS, and maintaining the SIL rating of the SIS and related equipment.

