

ProSimulator

SIM INFOSYSTEMS, the World Leader of Process and Power Plant Simulator Systems, offers affordable operator training solutions which can only be provided through high fidelity, dynamic, real-time simulation.

The Process and Power industry has been experiencing dynamic changes in recent years. To maintain safety, stability and efficiency, the need for effective, systematic training programs is being increasingly felt. The secret of making your plant work optimally and safely depends on realizing the potential of your human resources. They are the assets who optimize the plant operations and make sure that you get maximum return from your investment.



ProSimulator, a high-end simulation based training platform for the plant operating personal. ProSimulator provides opportunities to manipulate systems to simulate all possible emergencies and abnormalities, including plant startup, and emergency shutdown that an operator has to face, when placed in the actual process plant control room. This ability of personnel to respond to micro second variations in the parameters of a process plant, ensure optimal production and absolute safety.

ProSimulator features

ProSimulator is a complete training simulator package and consists of:

- ▶ Simulator hardware
- ▶ Smooth Startup & Shutdown
- ▶ Emulation or Direct Connect Operator Station for various DCS

ProSimulator Standard or Custom Process Models for:

- Process control & Instrumentation
 - Basic process Operations
 - Refining
 - Gas Processing
 - Upstream Operations
 - Fertilizer
 - Petrochemicals
 - Power & Utilities
- ▶ User Documentation, Software Licenses, training and support.

ProSimulator Instructor station enables the instructor to control and direct the training sessions. From the Instructor station, multiple independent training sessions can be invoked by the Instructor and each training sessions can be assigned to work with one or more operator stations. Using this software the Instructor can load a model, set an initial condition, invoke malfunctions, take/recall snapshot, change simulation speed and monitor & evaluate the performance of the trainees.

ProSimulator

ProSimulator offers full function Direct connect interface to various DCS or provide emulation software for various DCS

- ▶ Yokogawa Centum CS3000
- ▶ Yokogawa Centum VP
- ▶ Honeywell TDC3000
- ▶ Experion, Fox I/A
- ▶ Siemens PCS7
- ▶ DeltaV
- ▶ ABB Harmony.



Benefits of ProSimulator

For Academic

- ▶ Industrial Exposure for Students
- ▶ In-depth Process Understanding
- ▶ Carry out In-house projects
- ▶ Sound Fundamental Concepts of Process Control and safety with DCS Operations
- ▶ Understanding the Intricacy & Complexity of process dynamics

For Industries

- ▶ Improved Plant Safety
- ▶ Smooth Startup & Shutdown
- ▶ Evaluation of Operator Proficiency
- ▶ Faster Recovery from External/Internal Process Disturbances
- ▶ Increased familiarity of Controls & Interlock Systems

Train your operator / engineer to run your refinery, gas processing, chemical and utility process units. Choose from the Library of Standard Models or use Customized Models which more closely resemble your plant equipment / controls.

Install the high-fidelity ProSimulator in your Company Now!