

ITS PLC[®] Professional Edition

Interactive Training System for PLC

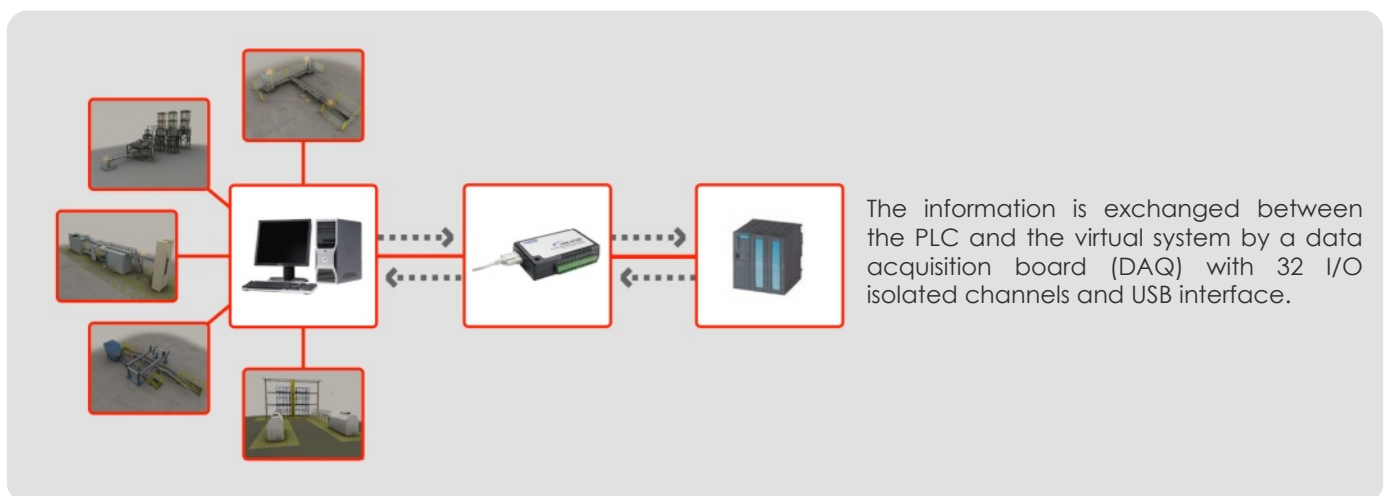


ITS PLC Professional Edition is an education and training tool for PLC programming. Based on the latest PC technology, ITS PLC makes PLC training easy and fun. Virtual environments have never been so real, featuring cutting-edge 3D real-time graphics, physics, sound and total interactivity. The result is an immersive simulated environment that allows highly realistic training systems, without any risk of injury to man or damage to machine.

ITS PLC offers problems with increasing levels of difficulty so that users can progress to more advanced exercises as they improve their skills.

How Does it Work?

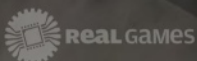
ITS PLC offers five virtual systems for education and training in PLC programming. Each system is a visual simulation of an industrial system including virtual sensors and actuators, so its state can be sensed by the PLC. The objective is to program the PLC to control each virtual system as if it was a real system.



Main Features

- 3D realistic graphics
- Real-time physics that closely emulates what happens in real life
- 3D real-time sound
- Total interactivity with the systems
- Friendly user interface
- Easy and fast to setup

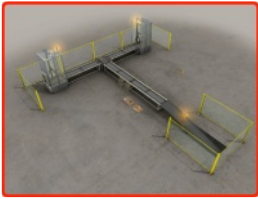
LET'S PLAY AUTOMATION!



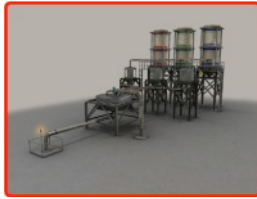
Real World Based Training Systems

ITS PLC Professional Edition presents five training systems based on real world industrial scenarios. Each system offers standard problems found in PLC programming. The systems are presented in order of increasing level of difficulty.

Sorting



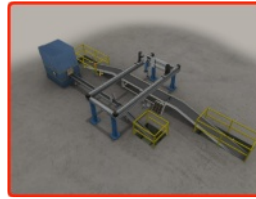
Batching



Palletizer



Pick & Place



Aut. Warehouse



System	Description
Sorting	Transport cases from the entry bay to the elevators, sorting them by height
Batching	Mix three primary colors (red, green and blue) in order to obtain a desired color
Palletizer	Palletize cases up to three layers
Pick & Place	Place parts inside boxes through a three axes manipulator
Aut. Warehouse	Transport, store and retrieve boxes from a rack

Failures Simulation

ITS PLC Professional Edition allows you to simulate failures in sensors and actuators. These failures can be in open-circuit or short-circuit. With this feature the user is able to induce malfunctions in the system, presenting new challenges and increasing the realism of the simulation.

Interactivity

- Interact with the system as you would in a real system
- Add and remove objects from the production circuit, at any time during the simulation
- Cause error situations or system jams
- Test individual parts of the system; for example: test a conveyor table

Product Includes

- Software CD
- Advantech USB-4750 DAQ Board
- USB Cable
- USB License Key

Works With PLCs From Any Manufacturer

ITS PLC Professional Edition works with PLCs from any manufacturer including: Allen-Bradley, Festo, Hitachi, Mitsubishi, Moeller, Omron, Siemens, Telemecanique, Unitronics and many others.



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www.realgames.pt