DCS EMULATION SOFTWARE

The operator station is the heart of any simulation system. It is the window through which an operator or an engineer monitors, controls and manages the process plant. We offer diverse selection of operator stations:

- Full Function interface to actual Distributed Control Systems (DCS)
- Emulated DCS Operator stations

ProSimulator provides emulation for various Distributed Control Systems (DCS). Fully emulated DCS use an emulation of both the control logic and the HMI. Emulation is achieved by translating the plant control logic and graphics into the simulator environment, effectively reproducing the functional operation of the actual controls and the graphic interface of the HMI.

At present the following DCS Emulations are available in the ProSimulator:

- ProSimulator CS3000 emulation software
- ProSimulator Centum VP emulation software
- ProSimulator TDC3000 emulation software
- ProSimulator Experion emulation software
- ProSimulator Fox I/A emulation software
- ProSimulator ABB Harmony emulation software
- ProSimulator SIEMENS PCS7 emulation software
- ProSimulator EMERSON DELTA V emulation software

ProSimulator Emulation software emulates the displays of these operator stations in detail enabling operators to train using the same operational procedures as on the real DCS. Our Emulated Operator Stations do not require actual DCS hardware which provides significant cost savings for the simulator without compromising training realism.
ProSimulator CS3000 emulation contains the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The CS3000 Emulated Operator Station software includes a high-fidelity, realistic simulation of the CS3000 HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- Schematic or Graphics panel
- Overview Panel
- Control or Group Panel
- Detail Display Panel
- Alarm Panel
- Group Trend Display
DCS EMULATION SOFTWARE

SIM INFOSYSTEMS PVT LTD, 11,1st Cross Street, Nehru Nagar, Kottivakkam, Chennai 600 041, INDIA
Phone: +91-44-24542617, Email: sales@siminfosystems.com. Website: www.siminfosystems.com
CENTUM VP EMULATION SOFTWARE

ProSimulator CENTUM VP emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The Centum VP Emulated Operator Station software includes a high-fidelity, realistic simulation of the Centum VP HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- Overview Window
- Control Group Window
- Tuning Window
- Graphic Window
- Trend Group Window
- Process Alarm summary window
HONEYWELL TDC3000 EMULATION SOFTWARE

ProSimulator TDC3000 emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The TDC3000 Emulated Operator Station software includes a high-fidelity, realistic simulation of the TDC3000 HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- Schematic Panel
- Overview Panel
- Control or Group Panel
- Detail Display Panel
- Alarm Annunciator Panel
- Area Alarm Summary Panel
- Unit Alarm Summary Panel
- Area Trend Display
- System Menu
HONEYWELL EXPERION EMULATION SOFTWARE

ProSimulator Experion emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The Experion Emulated Operator Station software includes a high-fidelity, realistic simulation of the Honeywell Experion HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- System Menu
- Group Display
- Detail Page
- Graphic View
- Trend Display
- Alarm summary
ProSimulator Fox I/A emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The Fox I/A Emulated Operator Station software includes a high-fidelity, realistic simulation of the Fox I/A HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- System Menu
- Group Display
- Detail Page
- Graphic View
- Trend Display
- Alarm summary
ProSimulator Harmony emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The ABB Harmony Emulated Operator Station software includes a high-fidelity, realistic simulation of the Harmony HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- System Menu
- Group View
- Tune block display
- Graphic View
- Trend group
- Alarm group
SIEMENS PCS7 EMULATION SOFTWARE

ProSimulator PCS7 emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The PCS7 Emulated Operator Station software includes a high-fidelity, realistic simulation of the SIEMENS PCS7 HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- Overview Panel
- Alarm Module
- Trend Module
- Face plate Module
- Tuning Block display
- Graphic Page Module
DCS EMULATION SOFTWARE
EMERSON DELTA V EMULATION SOFTWARE

ProSimulator DELTA V emulation contains most of the standard features of real DCS console. Using PC keyboard or simulated keyboard (on the screen keyboard), the trainee can operate the simulated plant. The Delta V Emulated Operator Station software includes a high-fidelity, realistic simulation of the Emerson Delta V HMI, with all of the operating displays, keyboard interactions, touch targets, and controls. Train your student operator on both Process and DCS using the same control room display types, including:

- Overview Panel
- Alarm Banner
- Trend Module
- Face plate Module
- Tuning Block display
- Graphic Page Module