



Human Performance
is the **#1 cause of error**
that affects Employee Safety,
the Environment & Company
Profits.



HUPERTM is a compact and cost effective Simulator designed to train your employees to a standard that will help **Prevent, Anticipate and Catch Human Performance Error** during the performance of work in any sector. Developed in conjunction with the Institute of Nuclear Power Operations (INPO[®]) guidelines and standards, the HUPERTM tool, combined with a Site-Specific Training Program, will address **the key Human Performance Tools** providing your workers with the critical Training that can help prevent the negative impact of human error to person, environment or company profits. HUPERTM can be customized using various techniques to meet your company's Human Performance objectives.

For example // An unscheduled shut down at a Nuclear Facility can result in revenue losses of up to **\$1,000,000** per day.

Train your employees and students with HUPERTM and cover these critical HU Tools

SED's **Human Performance Training Simulators** have been used in the field since 2005, with a **PROVEN RECORD** of success in this critical area. We are continually refining our product according to our client's needs and industry's requirements. There the program has been successfully applied to a broad range of workers including: *Operators, Maintenance, Contractors, Management, and Onboarding*. The program has been used for **ALL** staff touching, and capable of, altering the status of plant equipment.

This included the *front line workers and their supervisors; their managers and the support staff* involved with the execution of the work.

The nuclear industry is one of the most regulated industries in the world. Extensive analysis of tragic events by experts in the industry have identified many commonalities which allowed the Institute of Nuclear Power Operations (INPO[®]) to create their compendium of Directives which have become the basis of Human Performance Improvement worldwide. **The sinking of the R.M.S. Titanic, the explosion of the Challenger space shuttle, the gas release at Bhopal, Chernobyl Atomic Power Station and Fukushima Power Stations, Three-Mile Island, the crash of Air Florida Flight 90, the grounding of the Exxon Valdez, and many other disasters began with seemingly unrelated minor operations deviations and oversight.**



SITUATIONAL AWARENESS

- Task Preview
- Job-Site Review
- Questioning Attitude
- Stop When Unsure

SELF-CHECKING

PROCEDURE USE & ADHERENCE

EFFECTIVE COMMUNICATION

- Three-way Communication
- Phonetic Alphabet

PRE-JOB BRIEFING

VERIFICATION PRACTICES

- Concurrent Verification
- Independent Verification
- Peer-Checking

FLAGGING

PLACEKEEPING

TURNOVER

POST-JOB REVIEW

HUPERTM strengthens common methods used for the prevention of errors while executing work. Although Plants are designed to provide robust overlapping defenses, barriers, controls and safeguards, the Human Performance element is critical in the overall health of it's employees, the environment and company profits. Using HUPERTM to train your employees for improved performance in conjunction with these controls will improve a plant's resilience against human error and **minimize the probability of an event.**

HUPERTM strengthens common methods used for the **prevention of errors** while executing work.

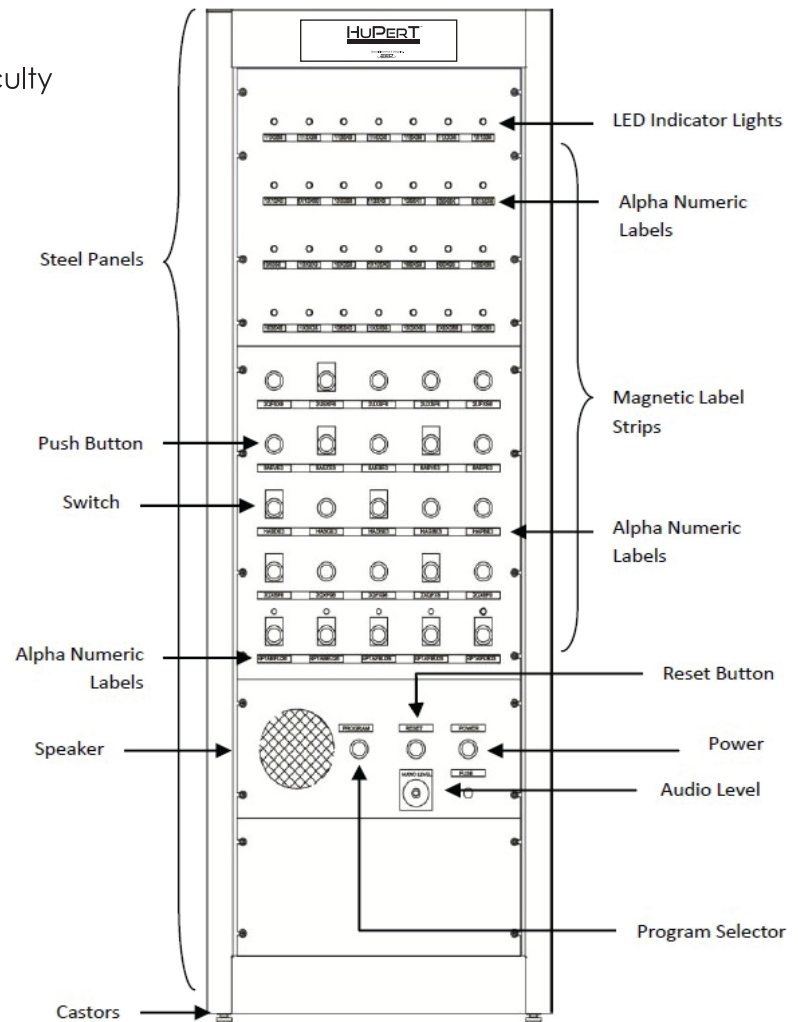
HUPERTM

HUMAN PERFORMANCE TRAINER

HUPERTM is driven by a PLC (Programmable Logic Controller). Actuation of the various industrial style buttons and rotating controls results in visual and audio indication of correct and incorrect Operator actions, that can be easily adapted to meet your company's learning objectives. Both vocal and sound effect type responses are provided. Product improvements include a Digital Read-out component along with two (2) Fault Inducement Switches incorporated onto the panel. An optional TOUCH SCREEN is available as an add-on component.

FEATURES:

- ✓ 4 Programs, user selected, various levels of difficulty
- ✓ Switch types:
Push Button, rotating w. various # of positions
- ✓ Control Switches
- ✓ Optional TOUCH SCREEN Component
- ✓ Digital Read-out
- ✓ Fault Inducement
- ✓ 28 LED Indicator Lamps:
4 rows of 7, 14 red & 14 grn
- ✓ Power supply:
93-132 & 187-264 VAC, 47-63 Hz
- ✓ Allows magnetic placeholders
- ✓ Compact unit:
63" height 23" width 24" depth
- ✓ 19" Rack, Steel Construction - durable
- ✓ Customizable Training Programs
- ✓ 1 Year Parts Warranty
- ✓ Free Technical Support (1 year)
- ✓ 1 Year Parts Warranty



Train your employees and students with HUPERTM and cover these critical HU Tools



Contact us at 519.396.8555 or visit us at www.sed.bz