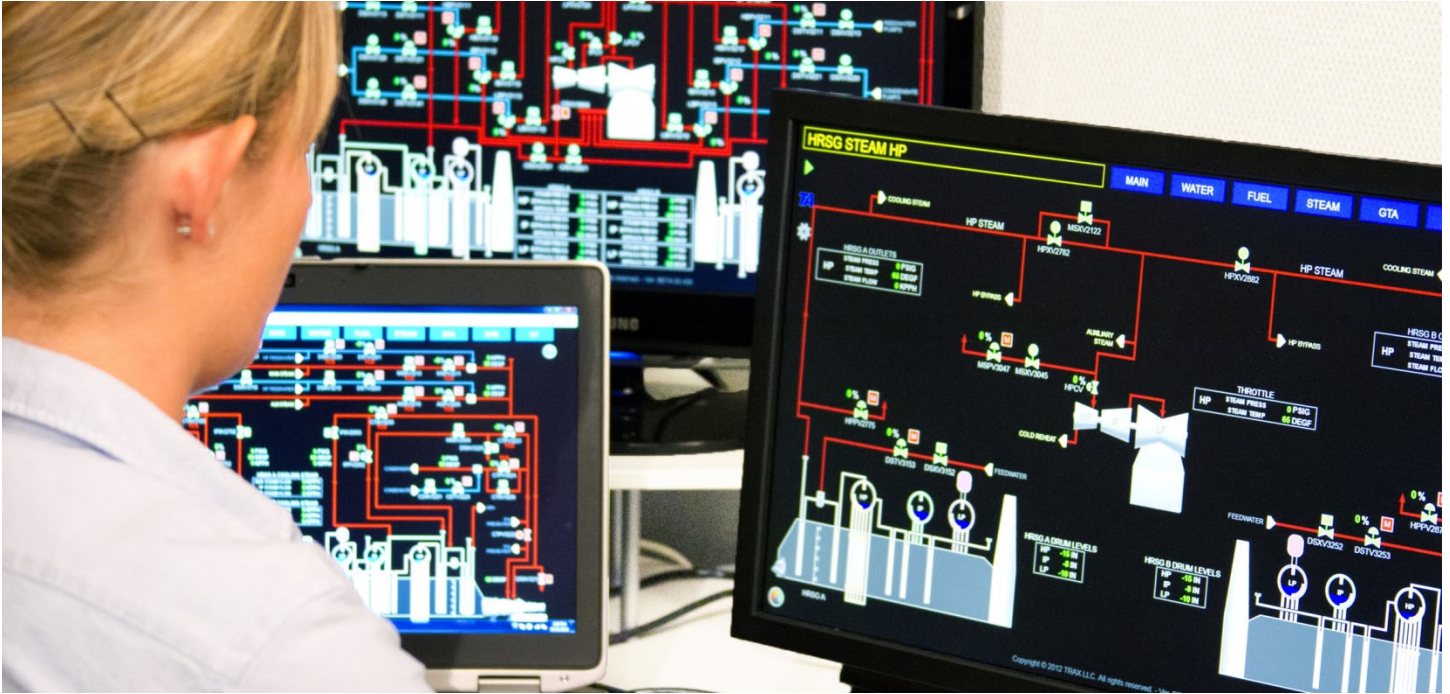


ProTRAX Simulation System Features

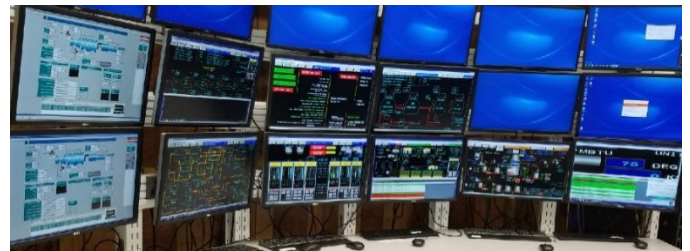


What is ProTRAX?

ProTRAX is a modular, dynamic simulation system designed for use on standard computers. The ProTRAX libraries contain hundreds of modules that can accurately represent any power plant configuration, which produces high-fidelity, engineering-grade models. These models conform to all international standards for accuracy.

Reliability.

A ProTRAX system purchase represents 30 years of development, testing, and design. ProTRAX has been trusted to deliver high-fidelity modeling of plant processes for use in engineering studies, operator training simulators, and controls testing and design. ProTRAX models have a tremendous user base with hundreds of man-years of independent verification and validation worldwide.



Our simulators include all the basic tools and functions necessary to accurately model a power plant:

- US or SI modeling units
- Easy-to-use schematics
- Dynamic schematics and trending
- Adjustable parameters
- Programmable scenarios
- Operator proficiency with performance scoring
- Pre-programmed training scenarios
- User tools for simulator updates
- Economical modeling options for simplified scope
- Deploy tool for easy installation

...plus a whole lot more.

ProTRAX Simulation System Features

ProTRAX Features	TRAX	Other Vendors
Engineering-grade models	✓ High-fidelity, first principles	✗ Simplified calculations, transfer functions
Mature software	✓ 30 years of testing	✗
Multi-lingual Runtime display	✓ Chinese, English, French, Korean	✗
Real-time, online simulator maintenance tracking	✓	✗
Simulator warranty	✓ 3-year	✗ 1-year
Free 1-year software update of runtime software	✓	✗
Interface to virtual control systems	✓ Will work with all DCS and PLC vendors	✗
On-the-fly model changes	✓	✗
Built-in training videos	✓ Support user video addition	✗
Instructional videos on YouTube	✓	✗
Voice recognition	✓	✗
Built-in performance monitoring for plant equipment	✓	✗
Intuitive Initial Condition management	✓ View variables inside saved Initial Condition files	✗
Simulation control from any simulation computer	✓	✗
Simulator remote operation via internet	✓	✗
Automated running of dynamic analyses	✓	✗
Integrated video and sound effects	✓	✗
Interface to 3 rd -party software	✓ Mathcad, Excel, Scilab, PI	✗
Electrical models with grid voltage and frequency dynamics	✓	✗ Simplified steady-state models
Carbon Capture modules and properties	✓	✗
Comprehensive software documentation for theory, user maintenance, and upgrades	✓	✗