

LOOP-PRO™ TRAINER Solution for Industry Based on *Practical Process Control*®

Teaching a process control course can be challenging, but establishing a curriculum shouldn't be. To help you with effective and thorough course delivery, Control Station offers a turnkey training solution. The LOOP-PRO TRAINER Solution based on *Practical Process Control* frees instructors from the time-intensive process of developing and maintaining a curriculum. It provides a solid foundation upon which a customized curriculum is easily built.

**Contact us today
for your personalized
demonstration!**



Proven, Hands-On Curriculum Used by Leading Companies Worldwide

Leading companies from across the process industries use Control Station's LOOP-PRO TRAINER Solution to teach critical process control concepts and proven optimization techniques. Complete with lecture slides, textbook, workshop exercises, and Control Station's highly interactive training technologies, the LOOP-PRO TRAINER Solution can jump-start your course. From regional manufacturers to Fortune 500 conglomerates, the LOOP-PRO TRAINER Solution has become a leading training solution for hands-on industrial process control instruction.

Critical Concepts, Practical Applications Helping Companies Achieve A Competitive Advantage

LOOP-PRO TRAINER based on *Practical Process Control* is replete with sensible simulations of real-world processes, and it contains numerous workshop exercises specifically designed to strengthen your staff's knowledge of critical control concepts. The curriculum covers basic through advanced process control topics. It supports both the thoughtful analysis of process dynamics and the practical application of proven control techniques.

Preparing Students for Success in Industry

"Control Station's solution...is comprehensive. For years we've used the technology and training tools in our process control courses at Virginia Tech, and we've consistently graduated engineers with the knowledge and skills needed to tackle complex and real-world challenges."

"Control Station provided our faculty with a complete curriculum, including lecture slides, workshops, textbook, and software tools. Most important, they helped me to prepare our students for success in industry."

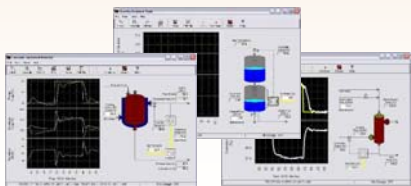
**Peter Rony, PhD
Professor Emeritus of
Chemical Engineering**

 **VirginiaTech**
Invent the Future

LOOP-PRO Case Studies

Control Station's LOOP-PRO TRAINER Solution includes Case Studies – a library of real-world process simulations, including:

- Gravity-Drained Tanks
- Pumped Tank
- Heat Exchanger
- Furnace Air/Fuel Ratio
- Jacketed Tank Reactor
- Multi-Tank Process
- Distillation Column
- Cascade Jacketed Reactor
- Finish Mill (NEW)
- Grate Cooler (NEW)
- Coal Mill (NEW)
- Jacketed Slurry Cooler (NEW)



Powerful Solution, Flexible Licensing Options Designed to Support Your Training Needs

Through Osprey Engineering, Control Station is pleased to offer an annual license to the LOOP-PRO TRAINER Solution. Licensees are entitled to access the entire portfolio of instructional materials during the license term. The portfolio includes multiple floating network licenses of the LOOP-PRO TRAINER software. An additional and complementary copy of the software is provided for use by Instructors.

While maintained on a shared network drive, all eleven instances in the standard licensing package can be accessed simultaneously by trainees at their workstation computers. Workstation computers require read/write access to the shared network drive. Easily scaled to meet your company's unique classroom and instructional requirements, the LOOP-PRO TRAINER Solution is a turn-key solution for hands-on process control training.

INSTRUCTORS:

- One (1) Floating Network License **FREE***

TRAINEES:

- Ten (10) Floating Network Licenses **\$10,995**
- Each Additional License **\$1,045**

NOTE: Instructor license is free with annual license purchase of LOOP-PRO TRAINER Solution.

What's Included...

LOOP-PRO TRAINER Software

- Complimentary license to LOOP-PRO TRAINER software, including Case Studies, Design Tools, and Custom Process modules
- Easy-to-use software for exploring process dynamics and testing industrially-relevant control architectures

Practical Process Control textbook

- Over 288 pages covering both essential control theory and practical techniques
- All content is explained using easy-to-understand examples

Guided Workshop Exercises

- 17 step-by-step exercises for students and the associated Solutions Guide for instructors
- Exercises cover fundamentals of process dynamics through advanced Model-Predictive Control (MPC) strategies.

Complete Set of Lecture Slides

- Optional lecture/reference materials for use by both faculty and students

