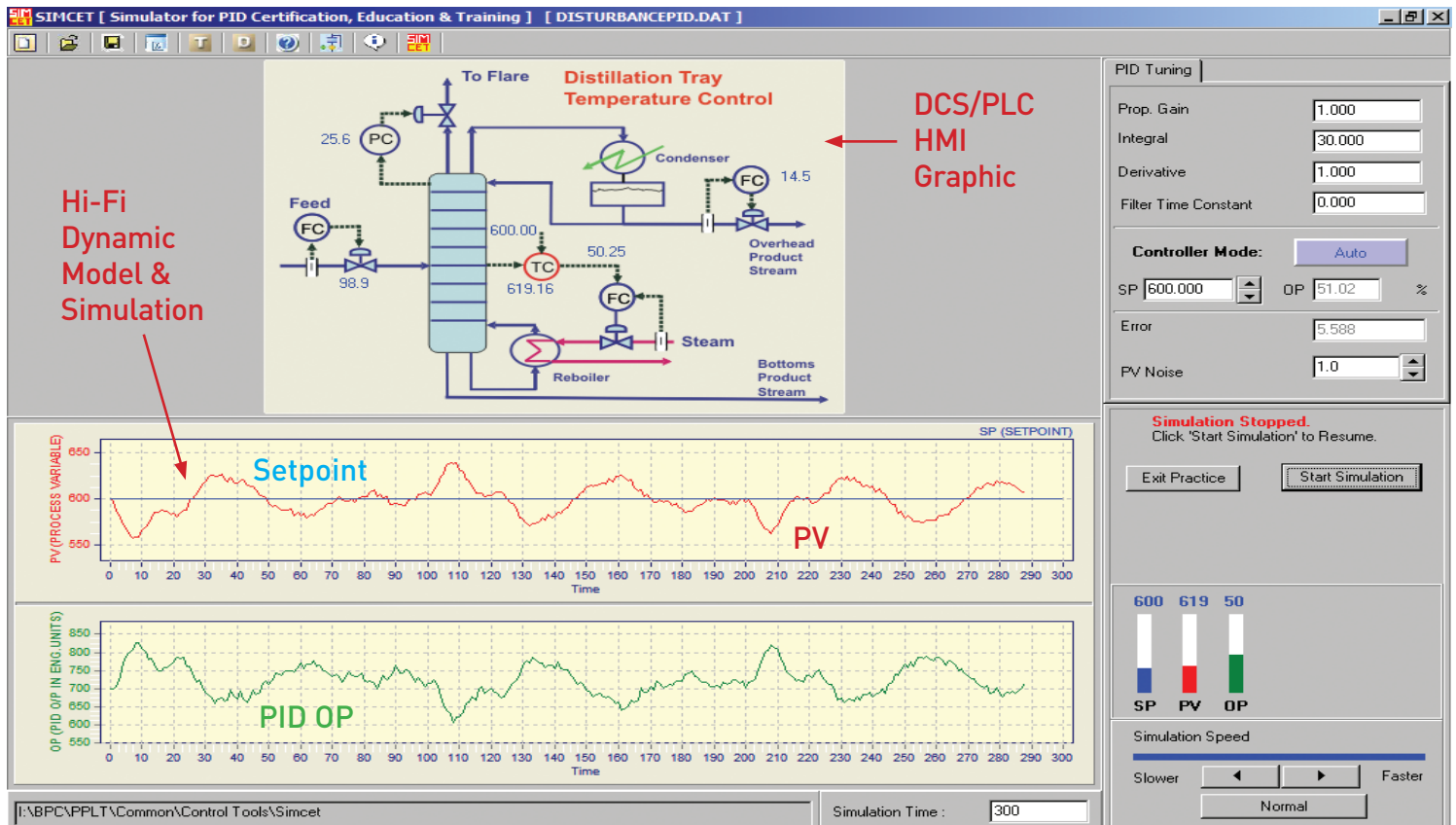


# SIMCET

## PID Tuning Training Simulator

 **PiControl**  
Solutions

Convert any computer into a **PID Tuning Simulator**. A must for control room personnel, colleges and universities. Excellent for **Corporate Training**. Very practical, no complex math, easy to use.



- Practice PID tuning as if working in a real control room
- Mimic any DCS/PLC PID – any vendor and all PID types
- Build dynamic models with closed-loop process data
- Copy DCS/PLC HMI screens into SIMCET
- Comes with two modules – TRAINING & TESTING modules
- TRAINING module imparts real-time PID tuning practice
- TESTING module is for employee PID skills testing/certification

**NEW  
UNIQUE  
CONCEPT**

### Tune any PID:

- Flow PID
- Temperature PID
- Level PID
- Pressure PID
- Surge PID
- Online AC PID
- Your/Custom PID

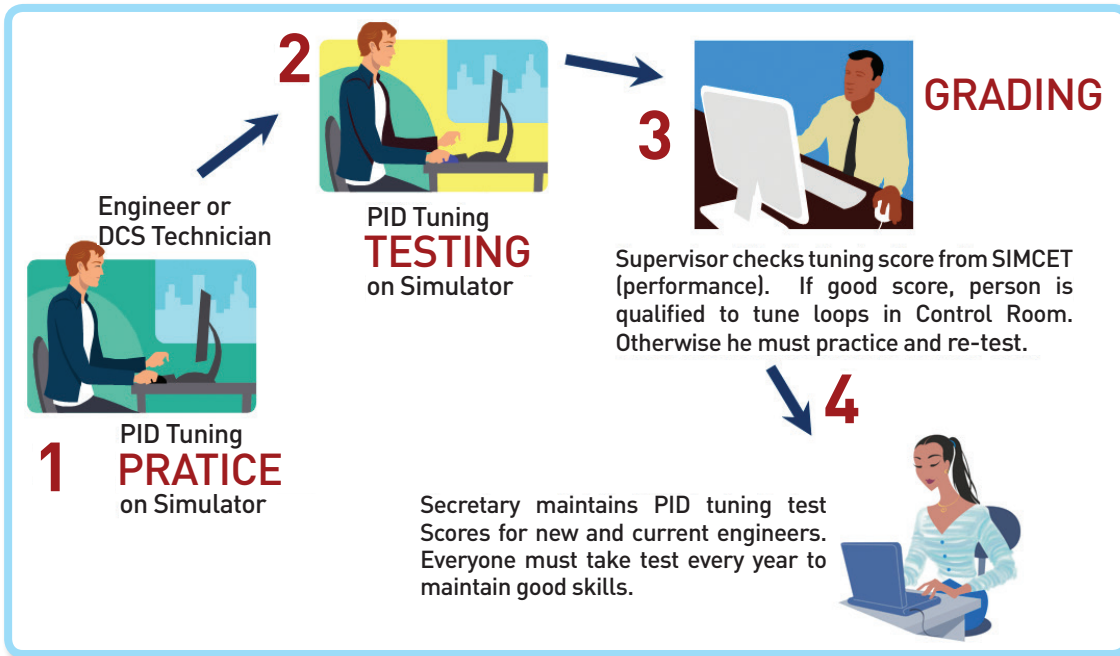
With many new engineers, technicians & students entering control rooms and colleges, SIMCET offers a novel, new training platform like never before. What normally takes months or years to learn can be experienced in less than a week. SIMCET speeds up PID tuning training and develops confidence quickly and easily.

- Improve Control Quality
- Avoid Oscillations
- Increase Production Rate
- Avoid Shutdowns and Control Problems

Contact: PiControl Solutions LLC  
Email: [Info@PiControlSolutions.com](mailto:Info@PiControlSolutions.com)  
Web: [www.PiControlSolutions.com](http://www.PiControlSolutions.com)  
USA: (832)495-6436

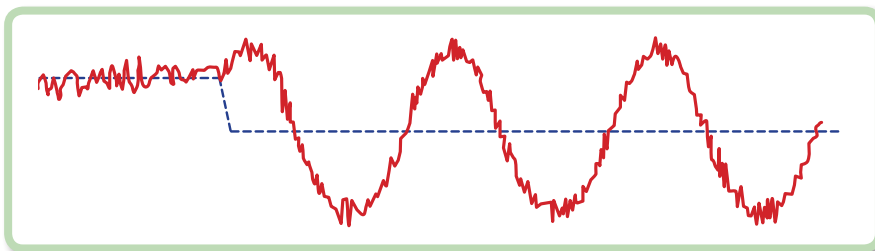
# New & Unique PID Tuning Training Concept

Contact: PiControl Solutions LLC  
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 Web: www.PiControlSolutions.com  
 USA: (832)495-6436



### Processes:

- Distillation
- Reactor
- Tank Level
- Flow
- Pressure Vessel
- Compressor
- Motor
- Flare Control
- Heat Exchanger
- Cooler
- Long Dead Time
- Nonlinearity
- Control Valve
- Custom/New Apps



Fearlessly drive a PID control loop unstable or oscillatory using SIMCET on a computer. No fear of causing plant problem or a shutdown!

SIMCET Test module provides 12 randomly generated tests. Users tune real PIDs on what feels like a real DCS/PLC HMI. As users tune the PID loops, their final PID tuning values are compared to the best values in SIMCET's database and a grade is awarded for each test. The final grade is an average of all tests and can be used to qualify and certify new and existing employees before allowing them to tune PIDs in a control room. Also great for PID tuning training and semester project in colleges.

### SIMCET Final Grade Sheet

Name: JOHN SMITH

TEST	P		I		D		F		SCORE
	BEST	USER	BEST	USER	BEST	USER	BEST	USER	
TEST 1	2.90	0.10	32.00	3.00	0.00	0.00	1.00	0.00	47.24
TEST 2	4.20	10.00	150.00	10.00	0.00	0.00	5.00	0.00	43.66
TEST 3	0.33	0.10	30.00	10.00	0.50	1.00	1.00	0.00	76.32
TEST 4	12.00	2.00	10.00	10.00	1.50	0.10	0.00	0.00	71.43
TEST 5	8.00	2.25	16.00	10.00	1.10	0.10	0.00	0.00	74.68
TEST 6	15.00	0.50	30.00	5.00	0.00	0.00	0.00	0.00	45.92
TEST 7	9.00	1.75	90.00	40.00	0.00	0.00	0.00	0.00	69.62
TEST 8	0.70	0.22	167.00	65.00	0.00	0.00	0.00	0.00	77.65
TEST 9	5.00	0.33	10.00	3.00	0.60	0.10	0.00	0.00	54.27
TEST 10	2.00	1.00	15.00	5.00	1.00	0.00	0.00	0.00	84.33
TEST 11	0.40	0.20	40.00	60.00	0.00	0.00	0.00	0.00	85.67
TEST 12	3.70	0.70	20.00	10.00	0.00	0.00	0.00	0.00	69.93

OVERALL SCORE 66.73