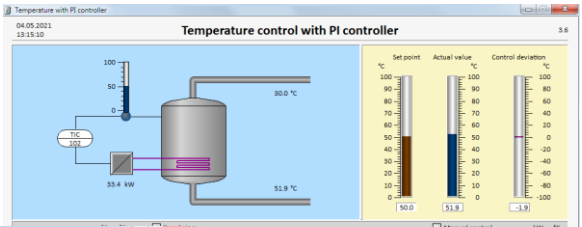
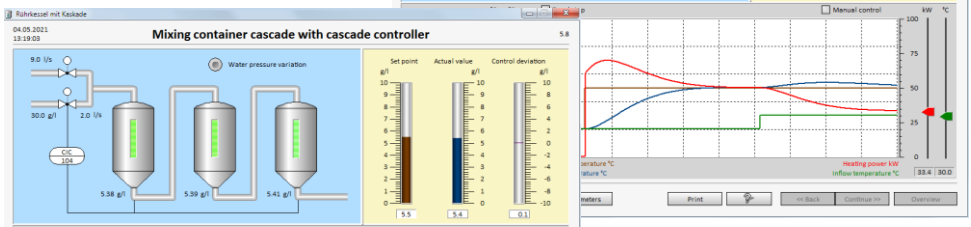
# Control Training I

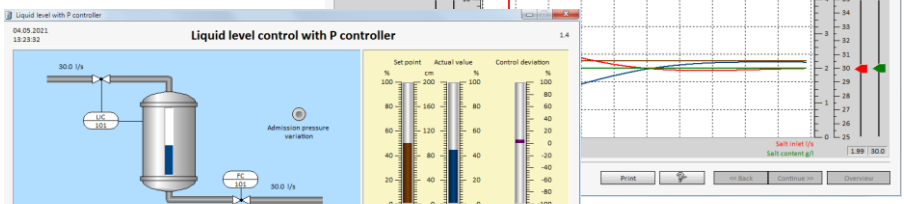
Learn the basics of control engineering interactively using simulated processes. Examine the time behavior of controlled systems, controllers and control loops step by step.




## Freely adjustable controller:

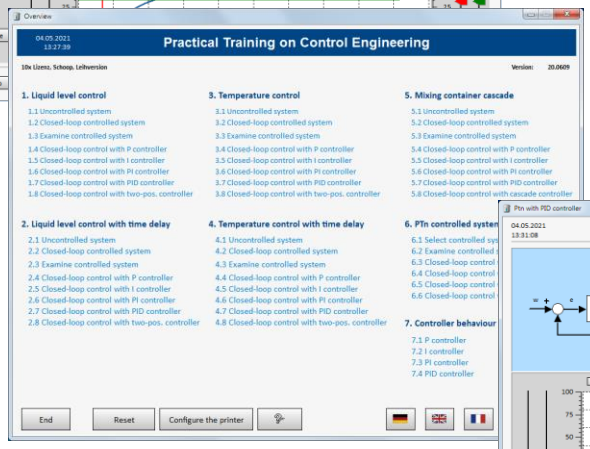
P, I, PI, PID,
Two-position controller



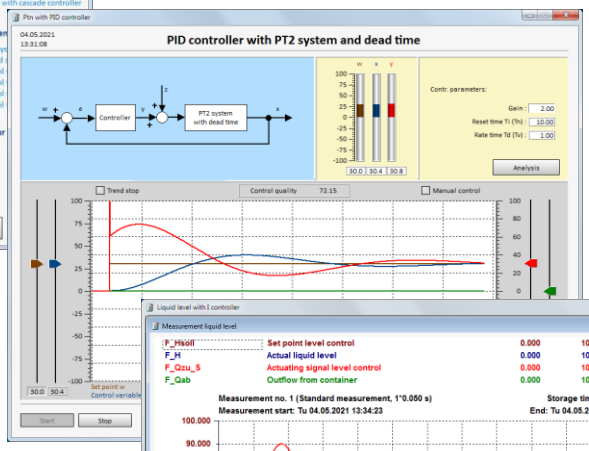




## Examine:

- Manual control
- Controller behavior
- Control system behavior
- Control loop behavior
- Control loop optimization

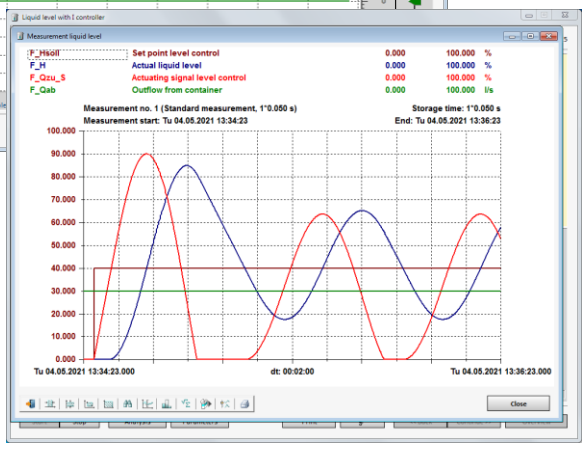



- Controlled system with and without compensation
- Behavior of setpoint and disturbance change
- Permanent control deviation
- Unstable control loop behavior
- Aperiodic settling of a control loop




## Simulated prozecesses/systems:

- Level control
- Delayed level control
- Temperature control
- Delayed temperate control
- Mixing container cascade control
- Examine Ptn controlled systems with P, I, PI and PID controller



All signal curves are saved and can be evaluated.

A comprehensive manual and exercises with solutions support individualized and activity-oriented learning.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