Project title
Analysis and optimization of control structures for distillation processes

Student
Nina Helene Omdahl

Supervisor
Krister Forsman
What, why, how?

What?
Review of the control structures for four distillation columns at a Perstorp plant.

Why
Does the control structure allow optimal operation?
Reduce steam usage in the distillation process.

How?
P&IDs, PFDs and process data.
My tasks

- Describe the current control structures
- Compare the structures with the ones described in the literature
- Use process data to observe the behavior of the control structures
- Look at level controllers and their performance
- Formulate an optimization problem
- ...and more if enough time