Specialization project

Project title

Analysis and optimization of control structures for distillation processes

Student

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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