

Project idea:

Identification of Water Hammering in Existing Production Facility

In the process industry "water hammering" is commonly observed in process equipment, and it will over time cause unnecessary wear and tear – and maintenance, downtime and thereby lack of production.

Due to the complexity of process facilities, various incidents and human intervention it can be very difficult to locate the root cause for water hammering.

The project should consist of shop floor and laboratory activities, and ideally end up with a surveillance system or similar, in order to detect water hammering incidents.

- Investigate and evaluate incidents at customer appointed by NNE
- Develop analysis suitable for the task
- Design and build, a conceptual model, which fits in a "generic factory"

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The present proposal from the company is an invitation to collaboration. The project will be planned, scoped and modified in close collaboration with the university supervisor and the master student, in order to get the best possible project. The formal application procedure (and application deadline) for a Helix Lab Fellowship must be followed. All applications will be evaluated by the Helix Lab Board before a Helix Lab Fellowship may be given. Read more on our web-site, Helixlab.dk