

Project idea:

Real-time Acoustic Signature for Process Prediction

Introducing acoustic monitoring of the granulation production process is one of the technologies that show success in monitoring the fluid beds, since the acoustic signatures carry embedded information about a whole range of system-relevant physical and chemical parameters. The project will include evaluation of types of acoustic sensors, measuring ranges etc. The final stage could be coupling sensors to the process and extract the acoustic signature to be correlated to our process performance.

- Study the theoretical background of the acoustic sensors and evaluate different types of sensors
- Generating at least three scenarios of process performance to be measured by the acoustic sensors
- Test, document and report the use of sensors, including data analysis as proof of concept

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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 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 Fellowship may be given. Read more on our web-site, Helixlab.dk

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