The Technology Centre for Energy (TZE) of the University of Applied Sciences Landshut is in cooperation with the Technical University Deggendorf to research and further develop microbiological methanation in the field of power-to-gas.

AT THE TECHNOLOGY CENTRE FOR ENERGY IN RUHSTORF AN DER ROTT WE ARE LOOKING FOR A STUDENT TO WORK ON A THESIS WITH IMMEDIATE EFFECT

Thesis:
Optimization of a pilot plant for biological methanation

Your tasks:

- Independent familiarization with the existing Beckhoff automation system (TwinCat)
- Analysis of the whole existing process flow code and clear in -depth visualization as flow diagram
- Analysis and optimization of existing code parts
- Optimization of different process routines and integration of further sensors into the process code
- Elaboration of further optimization proposals and derivation of recommendations for further developments

Your profile:

- Studies in the field of engineering, especially electrical engineering
- Interest in the field of renewable energies
- High motivation and commitment to quickly get to grips with new issues
- Technical understanding, analytical thinking and ability to work in a team
- Experience with Beckhoff Systems and TwinCAT is desired, but not a must

This thesis is suitable for both bachelor and master graduates and can be adapted in the scope of topics. The supervision of the graduate towards a successful thesis is ensured by the scientific staff working on the project.

Are you interested in this applied project?

Then please contact:

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