

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: Pilot plant visualization and data storage

Your tasks:

- Independent familiarization with the existing Beckhoff automation system (TwinCat)
- In-depth Analysis of the LabView interface TF3710 for TwinCat systems
- Integration of LabView on our PLC and establishment of a visualization surface
 - Curve diagrams for different sensor measurements over time
 - Better visualization of the routine status and the next steps
- Integration of data collection and storage via LabView and comparison with status quo
- 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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