Development and Manufacturing of an Interactive Three-Dimensional Phase Diagram of Carbon Dioxide for Teaching Sessions in Thermodynamics

VERSITY OF APPLIED SCIENCES

AACHEN

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- Improve the students understanding of complex basics in thermodynamics such as the derivation and meaning of the three-dimensional phase diagram and its 2D-projections
- Development of an illustrative model for interactive teaching sessions
- Bachelor-Thesis on this topic. Idea: students invent solutions for next generation of students



- 2] Jakoby, W.: Projektmanagement für Ingenieure; Ein praxisnahes Lehrbuch für den systematischen Projekterfolg. Springer Vieweg Verlag, 4. Auflage 2019
- [3] Cheng, K. T.: Entwicklung und Bau einse intersitiven thermodynamischen CO₂-Phasendiagramms in 3D für Lehrzwecke. Bachelor-Thesis, FH Aachen, 2020