

## Curriculum Vitae

**Dr.-Ing. Ann-Kathrin Klaas**

Head of Research Area

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## Work Experience

**Since 2024**

Head of Research Area at the Institute of Energy Economics at the University of Cologne (EWI)

**2023**

Project Lead at the Institute of Energy Economics at the University of Cologne (EWI)

**2018 - 2023**

Research and Teaching Assistant at the Institute of Electrical Power Engineering and Energy Systems of the Clausthal University of Technology

**2013 - 2016**

Tutor for Fundamentals of Electrical Engineering and Mentor for the degree program Energy Technologies at the Institute of Electrical Power Engineering and Energy Systems of the Clausthal University of Technology

## Education

**2021**

Degree: Doctor of Engineering, Energy Systems Engineering

Dissertation: Design and operation of a Hydrogen Compressed Air Energy Storage power plant (HCAES) with simultaneous participation in various energy markets

**2018 - 2023**

Doctorate at the Clausthal University of Technology

**2017**

Degree: Master of Science, Energy Systems Engineering

Thesis: Use of PV generation for self-consumption of interruptible loads in the residential sector

**2017**

Erasmus-exchange at the Luleå University of Technology in Luleå, Sweden

**2015 - 2017**

Master's studies in Energy Systems Engineering at the Clausthal University of Technology

**2015**

Degree: Bachelor of Science, Energy Technologies

Thesis: Design of a battery storage to optimize the feed-in power of a wind power plant at the 110-kV voltage level

**2012 - 2015**

Bachelor's studies in Energy Technologies at the Clausthal University of Technology

## Internships

tekmar Regelsysteme GmbH, Essen-Kupferdreh, 2017

Avacon AG, Salzgitter, 2015

## Research Interests

Modeling of energy systems, large-scale energy storage systems, energy transition in the residential sector