

Curriculum Vitae

Maximilian Walde, M.Sc.

Research Associate

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Work Experience

Since 2022

Research Associate and doctoral candidate at the Institute of Energy Economics at the University of Cologne (EWI)

2021 - 2023

(Senior) Consultant at E.ON Inhouse Consulting GmbH in the sections Energy Networks & Energy Infrastructure Solutions

2019

Consulting intern at Roland Berger GmbH in the section Energy & Infrastructure

2017 - 2018

Working student at Trianel GmbH in the section Decentralized Energy Systems

Education

2021

Degree: Master of Science, Energy Engineering

Thesis: Development of a model-predictive control exploiting generation flexibilities of a sector-coupled energy hub

2018 - 2019

Double degree program in Mechanical Engineering

Master's studies in Power Engineering and Engineering Thermophysics at Tsinghua University in Beijing, China

Thesis: Techno-economic evaluation of the international cooperation project of solar aided power generation

2018 - 2021

Master's studies in Energy Engineering at RWTH Aachen

Academic focus: Renewable Energy

2018

Degree: Bachelor of Science, Mechanical Engineering

Thesis: Inclusion of thermal energy storage models into optimization of electricity generation schedules for concentrating solar power plants

2015 - 2016

Erasmus-exchange at Czech Technical University in Prague, Czech Republic

2013 - 2018

Bachelor's studies in Mechanical Engineering at RWTH Aachen

Academic focus: Energy Engineering

Internships

SMA Solar Technology GmbH, Mechanics Design, Niestetal, 2016

Research Interests

Modeling of energy systems