

At the Chair of Logistics and Supply Chain Management of TUM School of Management, we are looking for an interested and qualified student to conduct his/her

Bachelor thesis

on the topic

Autonomy in Green and Clean-Energy Startups: Framework for Accountability, Traceability, and Risk

Green, clean-tech, and energy–innovation startups are rapidly deploying intelligent, data-driven, and increasingly autonomous systems—from smart-grid controllers and AI-enabled demand forecasting to automated energy-efficiency solutions and decentralized renewable-energy platforms. As these technologies scale, questions of **accountability, transparency, and governance** become central—not only for regulatory and ESG compliance, but also for ensuring system safety, building user trust, and attracting mission-aligned investment. This thesis examines how green and energy startups design governance mechanisms that align technological autonomy with responsible oversight, emphasizing the unique risks and accountability challenges present in climate-critical innovation ecosystems.

Key project tasks:

- Qualitative study based on interviews with clean-tech and energy-innovation startup ;
- Development of a governance framework to guide responsible, transparent, and accountable deployment of autonomous technologies in green and clean-energy startups

Requirements:

The thesis is suitable for Bachelor students. A solid grounding in supply-chain management is essential, with prior experience in sustainability assessment regarded as an asset. Finally, successful applicants must be able to work independently, think analytically, and communicate their findings in clear, impactful English.

Earliest begin: December 2025

Supervisor: Laura Visintainer Lerman

Application: Email with curriculum vitae and transcript of records to logtheses.log@mgt.tum.de