



## [IDP] Creating an Energy GPT: Building a Large Language Model for Automated Energy Insights

### **About cleverwatt**

We are a young, innovative software company with the mission to help small and medium-sized businesses (SMBs) reduce energy costs and CO<sub>2</sub> emissions holistically. Through our data-driven approach, we simplify energy optimization and help SMBs adapt to the energy market of the future. Our energy management system automatically identifies savings potentials and efficiently manages energy flows.

Our team is highly experienced in the energy sector, but also has a strong academic background. Our CTO, who has worked as a postdoctoral researcher in high-energy physics brings deep expertise in building energy management systems. Together, we are committed to driving the next wave of energy innovation.

### **Your Opportunity**

We are offering you the chance to be part of an exciting project: developing an “Energy GPT,” a Large Language Model (LLM) integrated into the cleverwatt energy efficiency platform. This LLM will help automate content generation and reporting, turning cleverwatt’s analysis results into clear, actionable insights for our customers. Additionally, it will enable users to interact with the platform through a conversational interface, allowing them to ask questions about their energy usage, graphs, calculations, and market mechanisms.

This project provides a unique opportunity to apply your NLP (Natural Language Processing) and machine learning skills in a practical setting, helping to make energy data and optimization strategies more understandable and accessible for non-experts.

### **Your Tasks**

- Develop a domain-specific LLM that can generate automated reports, summaries, and recommendations based on cleverwatt’s energy efficiency analysis results.
- Train the model to provide explanations of energy data, charts, calculations, and market mechanisms in an easy-to-understand way for customers.
- Integrate the LLM into the cleverwatt platform, allowing customers to ask questions and receive detailed responses in real-time, directly within the platform.
- Work closely with our backend team to ensure seamless integration, enabling the LLM to pull data from our existing energy management system and generate contextually relevant insights.



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### Your Profile

- Enrolled M.Sc. student (m/f/d) in informatics, computer science, artificial intelligence, or a related field.
- Strong interest in NLP, AI, and machine learning, particularly in developing LLMs.
- Experience in programming, especially Python, and working with frameworks such as TensorFlow or PyTorch.
- Familiarity with energy systems and market mechanisms is a plus, or a willingness to learn about the energy domain.
- Independent, structured working style with a problem-solving mindset.
- Proficiency in relevant tools such as GitHub.
- Very good German and/or English skills.

### What We Offer

- Close collaboration with the founders and flat hierarchies.
- Flexible working hours that fit around your study schedule.
- Option to work remotely or at our office in Arcisstraße 21, Munich.
- Hands-on experience in a dynamic, fast-growing startup.
- Sharing our knowledge about the energy market.
- Regular feedback sessions and mentoring – we want you to gain valuable skills and experience from this project.

### Interested?

Send us a brief introduction explaining why you'd like to support cleverwatt, along with your resume and preferred start date, to: [jobs@cleverwatt.energy](mailto:jobs@cleverwatt.energy).

**We look forward to your application!**

