



goetzpartners

STRATEGY | M&A | TRANSFORMATION

Support for greenhouse gas quota market model
TUM Project Study

PROJECT STUDY | Market model greenhouse gas quotas

BACKGROUND



- The transportation sector accounts **for ~49% of the German CO2 emission**. The change towards electromobility is an important measure to reduce climate emissions and to achieve **climate protection goals**.
- However, the rise of electromobility is only possible with a **sufficient and comprehensive supply of charging infrastructure**, especially along motorways and federal highways, but also in residential areas and the countryside.
- While charging infrastructure at A-locations can already be highly profitable, many **B- or C-locations by themselves are still unprofitable** due to the low number of electric vehicles (EV) and charging processes.
- To **accelerate the expansion** of charging infrastructure, the government **rewards charge point operators (CPO)** for their saving of carbon emissions by distributing **greenhouse gas quota** certificates. Meanwhile, fossil fuel distributors must **compensate the CO2 emissions of their distributed petrol** through these certificates.
- The revenue from quota certificates is an **extremely important part** of almost every charging infrastructure business case.
- However, the **market for** quota certificates and their price development is (A) **intransparent** and (B) **difficult to forecast** and (C) **highly dependent** on many different variables like **CO2 emissions of the German electricity mix, demand and supply of quotas** etc.

THE PROJECT STUDY



- You support the internal development of a **market price model** to determine the future development of quota certificates in terms of demand, supply and price.
- You analyze and **understand the driving logic** behind the German quota system.
- You determine **relevant input factors** that are required for the calculation of the model output, analyze them and support our internal team in **creating a reliable data basis** for these model assumptions.
- **The aim** of the model is to **support CPOs understanding and forecasting** the future development of their **revenues from certificates** and therefore give them the **opportunity to adjust their business case** appropriately to future developments.
- You develop an **outlook on future European regulation** on the topic and its impact on the value of the certificates as well as the existing system.
- Lastly, you create a **teaser deck**, which can be used to present the model, its assumptions and its results to CPOs.
- You regularly discuss your **work results** with your **contacts** from **goetzpartners**.

REQUIREMENTS AND BENEFITS

YOUR PROFILE



- You are a group of **3-4** motivated **students**.
- You study **Technology & Management** or **related programs** (**preferably as a Master student**).
- You have an **analytical mind** and **work** in a **structured** manner.
- You play as a **team**, are **self-initiated** and **reliable** like Swiss clockwork.
- You are **fluent** in **English** and **German**.^[1]
- You know **Powerpoint**, **Excel** and **databases** like the back of your hand.

YOUR BENEFITS



- You obtain **insights** into the **consulting business**, the mobility and energy industry and how we work.
- You are right in the middle of our **open** and **personal corporate culture**.
- You get plenty of **creative freedom** to let your ideas unfold, and you take on **responsibility** from Day 1.
- You **work together** with **experienced consultants** and receive personal support.
- You encounter a **mindset** firmly anchored in **fairness, diversity, equality & inclusion** and **sustainability**.
- Your **TUM supervisor** will be **Hanna Scholta** (Chair for Management Accounting)

YOUR APPLICATION



- **Project start:** As soon as possible (from March 2024 on)
- Please send your **CVs**, **grade excerpts** and few sentences about your **motivation** to our Principal & TUM Alumnus **Michael Krauß** (Michael.Krauss@goetzpartners.com)
- Feel free to contact us in case of **questions** (**Michael Krauß: +49 151 1714 1094**)

[1] goetzpartners highly welcomes international students however, please be aware that large parts of the topic-related regulation is only available in German

GOETZPARTNERS AT A GLANCE

UNIQUE PORTFOLIO

SINCE

1991

>30 YEARS OF UNIQUE
GOETZPARTNERS
ADVISORY APPROACH



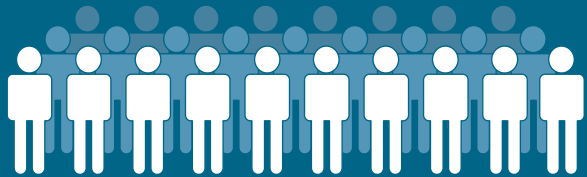
PROFOUND INDUSTRY EXPERTISE



INTERNATIONAL PRESENCE



ENTREPRENEURIAL THINKING



>250 ADVISERS
WORLDWIDE

Source: goetzpartners

EXCELLENT PERFORMANCE

For its excellent advisory services goetzpartners has received numerous awards, among others, the Best of Consulting Award from the renowned German business magazine "WirtschaftsWoche" has been conferred seven times to date.



INDEPENDENT TOP-LEVEL NETWORK

