

ir. Frank Boerman

PERSONAL DATA

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INTERESTS

It is important to me that my work helps build a better world for all of us. I have a passion for investigating various topics in the energy sector and explaining them to both experts and the general public. Furthermore, I love to deep dive into analytical problems, either looking for improvements of solutions that already exists, as well as helping others with new creative ones.

This passion is the driver of my work at TenneT. Here, I work in the heart of the energy transition, especially designing improvements aimed at cross border electricity trade, both in the capacity and the market domain.

I also value societal impact and sharing my expertise with the greater public. To achieve that, I analyze public datasets to answer questions relating to the energy transition. The results of my analyses, as well as data visualizations, are freely available via my blog and social media.

SKILLS

In the past years, I have developed myself as an internationally known expert of Flowbased Capacity Calculation. I perform analysis on the Flowbased process performance to help with improvements, both within TenneT and in an European context. I have a proven track record of published analysis on my blog and linkedin, as well as internal publications.

By doing this I have build up experience in writing and presenting data analysis methodology and results, with specific expertise in the European energy system and markets.

I have proven experience in sensitive international projects, having to balance between technical expertise and political arguments. For this I have also developed soft skills for the required cultural sensitivities and keeping everyone on board. I am (co)leading several committees that deal with various Flowbased and European Electricity Market Coupling issues. To make my publications possible I also have experience with gathering and processing large volumes of data, for example running my own public data dashboard at data.boerman.dev.

Through my volunteering work, I have experience with working in a team, managing organizations, negotiating and find solutions considering opposite options and cultural sensitivities.

I speak and write fluently Dutch and English, which were developed over multiple years of professional use.

PERSONALITY

How other people describe me: self assertive, go-getter, ambitious, meticulous, open and friendly. I love doing hikes in nature, preferable in mountainous areas, but also like to go on culture city trips. Next to this, I like to read books on topics of history and international relations.

In my student time I have danced at student dance association esdv Footloose, mainly salsa and bachata.

WORK EXPERIENCE

SEP 2025 - NOW	ENTSOE pt16 co-convenor entsoe pt16 committee deals with matters of 70% rule in market coupling. One of the important tasks is writing the entsoe market report chapters about 70% and to deliver data to ACER about this. After being active member of the pt16 group and helping the convenor for a number of years I was asked to formally become co-convenor.
JUN 2025 - NOW	Study lead MinRAM study Core IDCC Coordinating the study for possibilities of forms of virtual capacity in Flowbased Core IDCC. This falls under the umbrella of the Core IDCC Project Team
SEP 2024 - NOW	Flowbased IDCC PT member Member of the Core IDCC Project Team on behalf of TTN. The PT works on all maintenance and improvements relating to the intraday capacity calculation of Core Flowbased. Under the umbrella of this PT I am active on topics such as: AHC, publication matters, KPI matters, MinRAM study, eirgrid inclusion
SEP 2023 - NOW	Core DACC PT secondary member Member of the Core DACC Project Team on behalf of TTN. The PT works on all maintenance and improvements relating to the Day-Ahead capacity calculation of Core Flowbased. In this project team I am the secondary member, meant for backup and ad hoc support. Under the umbrella of this PT I am active on topics such as: AHC, eirgrid inclusion, 70% monitoring and publication matters note: this group also calls itself "FBE" which stands for Flowbased Expert Group
MAR 2021 - NOW	Flowbased Capacity Calculation Expert TenneT Work on process design, analysis and regulatory aspects of the Flowbased Capacity Calculation project. This work is in an international european context. In this function I both assist colleagues as well as initiate my own analysis. Examples of internal flowbased matters that I am involved in: individual inputs such as CNEC lists and GSK, 70% monitoring, loopflow derogation, internal trainings. I also regularly give input on market coupling topics from a capacity calculation view.
AUGUST 2022 - NOW	Founder and owner of Amun Analytics My business umbrella for all things related to my side projects, mainly data analysis and visualizations. I also do ad-hoc consulting on various topics under this banner.
AUG 2017 - NOW	Founder and owner of Kolibri Solutions Founded in August 2017, Kolibri Solutions is a software development company that specializes in digital administration and python programming. It is a spinoff of the ELE faculty of the TU/e for creation and maintenance of the BEP Marketplace and Master Marketplace. For more information: https://kolibrisolutions.nl/
MAY 2019 - JUNE 2020	Graduation project: Coherent De-Dispersion of Radio Pulsar Signals using Dataflow on FPGA In this project I developed an application for the new dataflow platform StaccatoLab. This platform enables mapping data driven dataflow graphs to FPGA's in a user friendly way for fast performance. The application focuses on processing large amounts of data in a parallel fashion: parsing astronomy telescope data to search for pulsar stars. More information can be found on my blog https://boerman.dev/

EDUCATION

2017 - 2020	MASTER ELECTRICAL ENGINEERING Eindhoven University of Technology , Eindhoven Specialization: Embedded Systems
SEP 2012 - 2017	BACHELOR ELECTRICAL ENGINEERING Eindhoven University of Technology , Eindhoven
SEP 2005 - JUL 2012	HIGHSCHOOL: VWO, NT EN TECHNASIUM Knippenberg College , Helmond