

MARTIN GRAVERSGAARD NIELSEN

Independent advisory on gas, power and hydrogen infrastructure

M. G. Nielsen Consulting · +45 30 67 47 31 · energy@mgnc.dk · [linkedin.com/in/martin-graversgaard-nielsen](https://www.linkedin.com/in/martin-graversgaard-nielsen)

In brief

MSc in Physics and Chemistry. Sixteen years at Energinet, the Danish gas and electricity TSO, including 2.5 years on secondment to ENTSOG in Brussels and, most recently, long-term planning of the electricity system. My work has consistently been at the point where engineering, regulation and public authorities meet — often in projects where the framework was not settled in advance but had to be established along the way. I now run M. G. Nielsen Consulting and take on well-defined assignments.

Core services

Project development and management. From concept to application and decision: technical and financial basis, cost-benefit analysis and PCI processes under TEN-E. At Energinet I was responsible for developing GREENCONNECT, a cross-border project on reverse flow and biomethane integration that obtained EU Project of Common Interest (PCI) status in December 2025, and for submitting Energinet's other gas and hydrogen projects to the PCI process.

System analysis and research. Analysis of energy systems and infrastructure across power, gas and hydrogen: feasibility studies, system needs assessments, socio-economic analysis and security-of-supply risk assessment. Project manager for the Danish gas security-of-supply risk assessment under EU Regulation 994/2010, and for the terms and cost-allocation methodology for connection to the hydrogen transmission system.

Facilitation and stakeholder engagement. Working groups, workshops and consultations across TSOs, regulators and industry. At ENTSOG I contributed to the joint ENTSO-E and ENTSOG scenario report for TYNDP 2020, ran the stakeholder process on gas supply potential and represented ENTSOG in the CEN working group revising the gas quality standard EN 16726.

Experience

2026– · M. G. Nielsen Consulting — independent advisory on gas, power and hydrogen infrastructure

2010–2026 · Energinet — energy system analyst, senior engineer from 2020

2017–2020 · ENTSOG, Brussels — seconded as adviser on scenarios and interoperability

2007–2010 · MAN Diesel SE — R&D engineer, emissions from large marine engines

MSc in Physics and Chemistry, Roskilde University · Danish and English, written and spoken

Get in touch

If you have an assignment that needs scoping, a question that has stalled or a technical issue without an owner, call or email directly.