

Stijn Hendrix

Director | Consultant

Stijn Hendrix

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Summary

Seasoned technical lead equipped with a critically constructive mindset, strong strategic thinking and the ability to translate complex topics towards different stakeholders. Expertise in building and leading cohesive cross functional teams in an innovative and high-performance environment. Develops key relationships across a wide variety of functional management levels, resulting in long-lasting business relationships to mutually benefit all parties.

Experience

Enersynt, Belgium / Director

MARCH 2019 - present, ENERSYNT SPRL

- Co-founder and director at Enersynt;
- Managing an engineering consulting firm dedicated to designing and realizing high voltage installations, specializing in the grid integration of large-scale renewable energy projects.

Northwester 2 Offshore Wind Farm, Belgium / Electrical Expert

APRIL 2019 - present, PARKWIND NV

- Managing the electrical installation works on the Northwester 2 offshore high voltage substation during the construction phase in Aalborg, Denmark;
- Follow-up of harbour acceptance testing (HAT) and the offshore site acceptance testing (SAT) of the offshore high voltage substation.

Norther Offshore Wind Farm, Belgium / Lead Engineer

FEBRUARY 2016 - JUNE 2019, CG HOLDINGS BELGIUM NV

- Leading an in-house engineering team for the engineering and commissioning of the high voltage grid connection;
- Managing the design, grid studies, control & protection, high voltage SCADA, procurement, erection, testing and commissioning of the 225 kV offshore substation;
- Developing a web application to digitize all control & protection engineering and commissioning activities in one common database.

Gemini Offshore Wind Farm, The Netherlands / Lead Engineer

MARCH 2013 - DECEMBER 2016, CG HOLDINGS BELGIUM NV

- Technical lead for the Gemini high voltage grid connection, consisting of two 300 MW offshore substations (220 kV) and one 600 MW onshore substation (380 kV);
- Realizing an IWT funded research project on far shore high voltage AC grid connections;
- Performing calculations and engaging in technical and contractual discussions on the power quality of long high voltage cables, resulting in a change in the Dutch national electricity grid code.

Northwind Offshore Wind Farm, Belgium / Electrical Engineer

DECEMBER 2012 - MARCH 2013, CG HOLDINGS BELGIUM NV

- Performing transient energizing simulations and dynamic stability simulations for the Northwind wind farm;
- Initiating a script library for the automation of simulations and post-processing of results, realizing significant efficiency gains in the grid studies of subsequent projects.

Zuidlob Onshore Wind Farm, The Netherlands / Electrical Engineer

SEPTEMBER 2012 - DECEMBER 2012, CG HOLDINGS BELGIUM NV

- Performing simulations and on-site measurements to study the export cable and main transformer energizing transients;
- Comparative analysis of the simulation and measurement results to validate the simulation model.

Publications

Techno-Economic Analysis of HVAC, HVDC and OFAC Offshore Wind Power Connections, Stephen Hardy, Kristof van Brusselen, Stijn Hendrix (CG, Belgium), Dirk Van Hertem, Hakan Ergun (KU Leuven, Belgium), PowerTech 2019, Milan, Italy

Optimal Design of the Mvar Controller of Far Shore HVAC Grid Connections, Tom Van Acker, Barry Rawn, Dirk Van Hertem (KU Leuven, Belgium), Stijn Hendrix, Etienne Lemaire (CG, Belgium), 14th Wind Integration Workshop, October 2015, Brussels, Belgium.

Education

KU Leuven / Master of Science in Engineering, Energy

SEPTEMBER 2010 - JUNE 2012, LEUVEN

Graduated magna cum laude.

Master's thesis: Inductive charging procedure for a hovering actuator.

KU Leuven / Bachelor of Science in Engineering, Mechanical - Electrical

SEPTEMBER 2007 - JUNE 2010, LEUVEN

Graduated cum laude.

Courses

CLT / French Language Course, Module 3 - B1 Threshold
SEPTEMBER 2014 - JUNE 2015, LEUVEN

DelftX / Leadership for Engineers
JANUARY 2018, edX.org

ColumbiaX / Enabling Technologies for Data Science and Analytics:
The Internet of Things
FEBRUARY 2018 - MARCH 2018, edX.org

AdelaideX / Introduction to Project Management
JULY 2018 - SEPTEMBER 2018, edX.org

Columbia University / Construction Project Management
OCTOBER 2018 - NOVEMBER 2018, Coursera.org

Language Skills

DUTCH: excellent written and spoken knowledge
ENGLISH: very good written and spoken knowledge
FRENCH: written and spoken knowledge