

Energy Modeler

Seniority level: Medior | Location: Aruba | Employment type: to be discussed based on the candidate's profile

About Henceforth Green

Henceforth Green N.V. (hereinafter "HFG") is an Aruba-based practice working at the intersection of engineering, sustainability, verification and building performance, across Aruba and the wider Caribbean. We design, commission and verify building services — MEP design, LEED certification, energy and water assessments, and Building Information Modeling (BIM) — for hospitality, government, utility and commercial clients. Our energy modeling work sits at the center of that verification loop: models built at design stage are the same models checked against metered performance once a building is operating.

Role overview

The Energy Modeler builds and maintains whole-building energy models supporting HFG's MEP design, LEED certification and measurement and verification (M&V) work, translating design assumptions into calibrated performance predictions and, where required, into ASHRAE 90.1 baseline comparisons for LEED Energy and Atmosphere credits.

Key responsibilities

- Build whole-building energy models for new design and renovation projects, based on architectural, mechanical and electrical design data.
- Develop ASHRAE 90.1 Appendix G baseline models and proposed-design comparisons for LEED Energy and Atmosphere credit calculations.
- Support utility benchmarking and measurement and verification (M&V) for existing buildings pursuing LEED O+M certification or recertification.
- Calibrate energy models against metered utility data, and report on variances between predicted and actual performance.
- Coordinate with HFG's mechanical and electrical engineers on system inputs, schedules and control assumptions used in the model.
- Prepare energy modeling documentation and calculation summaries for LEED submission and client reporting.
- Support retro-commissioning and energy optimization studies with modeling-based scenario analysis.
- Attend site visits where model inputs need verification against as-built or as-operated conditions.

Required qualifications and experience

- Degree in mechanical engineering, building services engineering, architecture, or a related field.
- Minimum three to four years of experience building whole-building energy models in a professional setting.
- Working knowledge of ASHRAE 90.1 (or equivalent) baseline modeling conventions.
- Experience supporting LEED Energy and Atmosphere credit calculations is an advantage.
- Local Aruba or Caribbean experience is an advantage rather than a requirement; international candidates are welcome to apply.

- Excellent command of written and spoken English is required.

Technical / software skills

- Whole-building energy modeling software (for example eQUEST, IES VE, EnergyPlus/OpenStudio, or equivalent).
- Working knowledge of utility benchmarking tools (for example ENERGY STAR Portfolio Manager or equivalent).
- Familiarity with Revit MEP or AutoCAD MEP sufficient to extract model inputs is an advantage.
- Microsoft Office and spreadsheet-based calculation tools.

Key personal qualities

- Analytical and numbers-first, comfortable defending a model's assumptions with evidence.
- Precise in documenting inputs, assumptions and calculation methods.
- Able to translate modelling results into plain findings for engineers, LEED APs and clients.
- Comfortable reconciling predicted results against real, sometimes messy, utility data.

What HFG offers

- A role at the centre of HFG's verification loop — from design-stage prediction through to measured, in-use performance.
- Direct collaboration with HFG's mechanical and electrical engineers and LEED APs across BD+C and O+M projects.
- Exposure to a full range of building types across Aruba and the wider Caribbean.
- Employment type to be discussed based on the candidate's profile.

How to apply

Please send a CV, a short motivation letter, relevant professional registration or certification where applicable to maxime@hfgaruba.com.

Best regards,

MSc Maxime Kaan

Operations Manager

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