

Mechanical Engineer I

[Envinity's](#) Building Energy Solutions ([BES](#)) is a team of engineers, analysts, and construction managers working to help our clients reduce energy usage and improve facility performance. We work primarily in healthcare facilities. The BES Team reduces millions of kilowatt-hours of energy every year. Learn more about us at <https://www.buildingenergy.solutions/>. Envinity's clients are in the Mid-Atlantic region and Florida.

We are seeking a **Mechanical Engineer I to join the team**. The position is based out of our State College, PA office with consideration for part or full time remote work after provisional period of 6 months.

The **Mechanical Engineer I** will join a dynamic group whose focus is on improving the built environment through the development and implementation of Facility Energy Master Plans. The Mechanical Designer will be responsible for conceptualization and design documentation of Facility Improvement Measures (FIMs). FIMs include air and water side system improvements, building automation systems upgrades and tuning, and optimized equipment replacement strategies.

Responsibilities

- Creation of mechanical design drawings and specifications for the implementation of facility improvement measures
- Report Writing
- Data analysis through building automation system engagement (obtaining and reviewing trend data)
- Site visits including observation and data collection for existing building systems
- Baseline energy use and FIM savings calculations using Microsoft Excel
- HVAC load calculations and Energy Modeling using Trane TRACE or similar
- Peer reviews and QA / QC

Key Requirements

- Bachelors or Associates degree in engineering design or related field
- 2+ years of mechanical engineering design
- Healthcare design experience a plus
- Exposure to various HVAC system types and configurations/existing HVAC system identification
- Understanding of mechanical systems, cause and effect, trouble shooting
- Thoroughness and attention to detail
- Clear and professional communication

To Apply

Send a resume and cover letter emphasizing relevant experience to: Careers@Envinity.com, subject: "Mechanical Engineer."

Applicants selected for our interview process must agree to DMV and criminal background checks.

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