



## Energy and Sustainability Services Division

### Engineering Intern

#### **SUMMARY:**

This position is an Engineering Intern position within the Energy and Sustainability Services Division of Schneider Electric. This position will be responsible for performing entry-level energy, mechanical, electrical and/or controls engineering tasks associated with identifying and improving the energy efficiency and operations of building systems.

**PRIMARY DUTIES AND RESPONSIBILITIES:** To perform this job successfully, an individual must be able to perform each primary duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary duties.

#### **Energy Engineering**

- Assist in performing energy-use baseline analysis of facilities and other infrastructure, including electric, gas and water utility rate simulations.
- Assist in generating baseline energy models and performing energy savings calculations using spreadsheet tools as well as hourly building model simulation software
- Conduct site assessments of facilities to identify energy waste and to recommend energy conservation opportunities.

#### **Mechanical and Electrical Engineering**

- Perform on-site investigation of mechanical, plumbing and electrical (MEP) systems to identify opportunities for energy savings, enhanced system operation and increased occupant comfort.
- Assist in the design of upgrades to HVAC and electrical systems. Systems may include HVAC unitary systems, air distribution, chilled water, heating water, steam, plumbing, natural gas and electrical power distribution.
- Design tasks may include writing descriptions of proposed energy conservation measures, performing calculations, selecting and scheduling mechanical and electrical equipment and performing system layouts.
- Coordinate the MEP scope of work with other project development team members including energy and controls engineers, project development managers, and sales professionals.

#### **Building Automation and Controls Engineering**

- Perform on-site assessments to identify opportunities for building automation systems and control.
- Assist in the design of building automation and controls design drawings and sequences of operations to improve the energy efficiency of building systems.
- Assist in the development of the automation and controls scope of work.
- Create graphical user interfaces for the building automation and control systems.

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***Engineering Internship - Summer 2018 - 003NWE***