



Senior Electrical Engineer

Why Owens Design?

Owens Design Inc. (ODI) is a design engineer's dream company. ODI is an engineering services company that designs and builds advanced factory equipment on a contract project basis for technology companies from garage-based start-ups to S&P500 giants. For over 30 years ODI has been developing leading edge manufacturing technology in Silicon Valley, specializing in the development of complex, process- & mission-critical, high speed, high precision process, metrology and assembly manufacturing equipment.

If you believe that "variety is the spice of life" then ODI is the place for you. We serve a vast range of customers from industries as diverse as biomedicine, consumer electronics, electric cars/energy storage, semiconductor, solar, display and laser processing/measurement.

Every engineer works on 4-6 completely different projects a year, and the equipment we develop covers the range of \$100k to several million dollars. A team environment, ODI runs fast and lean. Engineers own their projects from start to finish and have complete responsibility for their part of the design from concept through design, build & commissioning.

Who Are We seeking?

ODI seeks electrical engineers who like to design and build machines. Robots, high speed & precision motorized mechanisms, power electronics, PLC and PC controls, lasers, sensors, cameras and vision systems, safety systems are common system components. The ideal candidate will be able to design from scratch safe, reliable and low-cost systems based on anything from a 50-page specification to a sketch on a napkin. The ideal candidate will be able to work quickly to produce efficient designs that are robust and reliable. The ideal candidate will also be able to work collaboratively with customers, program managers, mechanical engineers and manufacturing personnel. A working knowledge of common standards such as CE, RoHS, NFPA & SEMI is required.

Qualifications Required:

- Able to generate electrical schematics.
- Able to generate electrical panel layouts.
- AutoCAD Electrical skill (preferred) or AutoCAD.
- Knowledge of NFPA 79, NEC, Semi S2, Machine Safety Design Standard (ISO 13849) requirements.
- Good knowledge of off-the-shelf electrical hardware such as PLC, relays, power supply, motion drivers, etc.
- Capable of designing EMO and safety interlock circuits.



- Capable of designing high-power distribution circuits such as 120 VAC up to 3 phase 480VAC.
- Good understanding of motion (servo or stepper) system design.
- Good understanding of PLC (Mitsubishi preferred) architecture

BSEE or equivalent, plus at least 10 years experience as an electrical design engineer, preferably in the design of automated capital equipment. Must have good effective verbal and written communications skills and work effectively in teams.