

## About Us

Statcon Electronics India Limited, an ISO 9001:2015 certified company, has been a trusted name in static energy conversion systems since 1986, specializing in Railways, Defence, Power, and Solar sectors. Known for advanced AC and DC technologies, Statcon Electronics products are designed for efficiency and resilience in challenging environments. Trusted by industry leaders like Siemens, L&T, and GE, the company's global reach includes railway systems across India, Bangladesh, and Sri Lanka.

## About Statcon Powtech Private Limited

Statcon Powtech Private Limited is at the forefront of the renewable energy revolution, specializing in the design and manufacture of high-quality solar inverters and power conditioning systems. With over three decades of experience, we are committed to providing innovative and reliable solutions for the solar energy sector.

## About the Position: Hardware Design Intern

Statcon Electronics India Limited and Statcon Powtech Private Limited are seeking a talented and motivated Hardware Design Intern to contribute to our cutting-edge Power electronics and solar projects. This onsite internship opportunity offers an excellent opportunity to gain practical experience in hardware design for power electronics.

The intern will work alongside experienced engineers on DC-DC converters, UPS systems, chargers, and renewable energy projects, while learning key concepts of circuit design, PCB integration, and system testing.

### Key Responsibilities:

- Assist in basic hardware design activities under the guidance of senior engineers.
- Support circuit simulation, validation, and simple performance testing.
- Contribute to learning and understanding SMPS topologies (Boost, Flyback, Half/Full Bridge, Resonant).
- Collaborate with PCB design and firmware teams for exposure to system integration.
- Participate in debugging, testing, and documentation tasks.
- Prepare reports, BOMs, and design notes as part of training.
- Engage in continuous learning of magnetic design concepts (transformers, inductors) and safety considerations in power electronics.

### Qualifications & Skills:

- Pursuing Bachelor's in engineering in Electrical / Electronics Engineering or related field.
- Ready to Join Onsite Intern after selection at our Noida office.
- Strong academic interest in **power electronics and hardware design**.
- Basic knowledge of circuit design and electronic components.
- Familiarity with simulation tools (LTspice, PSpice, MATLAB/Simulink) is a plus.
- Willingness to learn PCB design basics and lab testing procedures.
- Good communication skills and ability to work in a team environment.

### Preferred Skills:

- Understanding of basic analog and digital electronics.
- Exposure to testing tools (multimeter, oscilloscope) during coursework or labs.

- Eagerness to work on practical applications of classroom concepts.

Statcon Electronics India Limited and Statcon Powtech Private Limited are Equal Opportunity Employers and consider applicants for all positions without regard to race, color, religion or belief, age, marital status, military/veteran status, genetic information, sexual orientation, gender identity, physical or mental disability, or any other characteristic protected by applicable laws. We are committed to creating a dynamic work environment that values diversity and inclusion, respect and integrity, customer focus, and innovation.

For more information, visit [www.sindia.co.in](http://www.sindia.co.in) & [www.powtech.in](http://www.powtech.in).