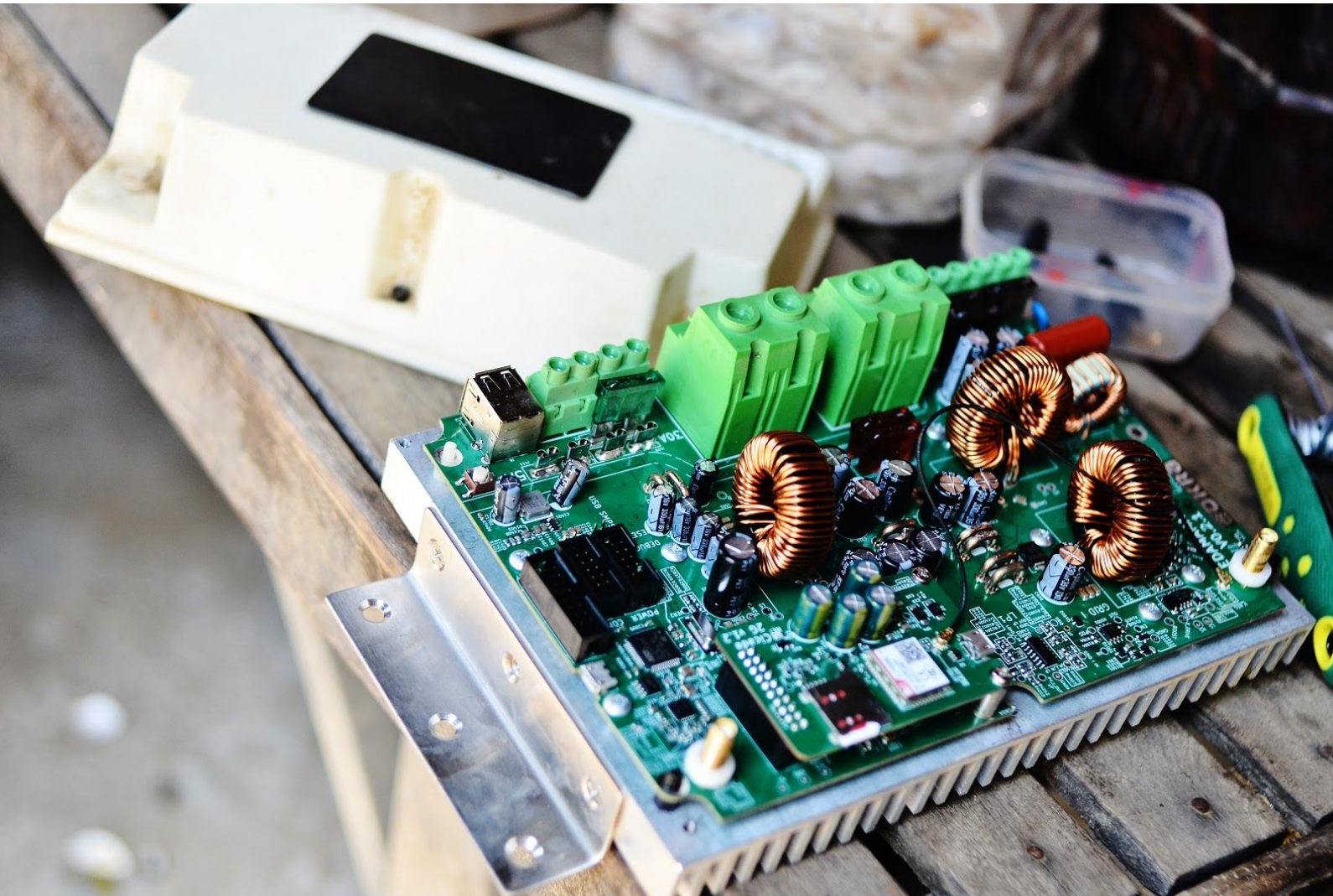


# Hardware Engineering Team Lead

- Full-time
- Start Date - Immediately
- Shenzhen, China & Kuala Lumpur, Malaysia
- \$2,000 - 2,500 USD / month

**What's Okra?** We're an IoT startup company bringing energy access to the 1 billion people who don't have power. In 2019 we made the [Cleantech 50 Companies to watch](#), we [won the 2019 Techcrunch Hardware Battlefield](#) in Shenzhen, won the [2019 IEEE Empower A Billion Lives](#) competition and were the back to back [2018 and 2019 PFAN clean energy Business Plan Winners](#). We are looking for a hard working and dependable Hardware Engineer Team Lead to join our team - to help us manufacture dependable IoT products.



## Opportunity

Okra is looking for a **Hardware Engineering Team Lead** to join our team full-time in Kuala Lumpur or Shenzhen (with trips to Shenzhen required regularly) if based in Kuala Lumpur.

---

### What you can expect to work on:

- ❑ Hardware design of Okra's next generation of smart grid controllers and related products to provide electricity to families across the world
- ❑ Ensuring Okra's hardware products meet functional, reliability and regulatory requirements
- ❑ Liaising with manufacturers and component suppliers
- ❑ System-level integration testing and validation
- ❑ Prototype testing and debugging
- ❑ EMC and other compliance testing
- ❑ Working alongside various staff with different technical backgrounds
- ❑ Field visits to Okra smart grid sites in Southeast Asia

#### Team leadership:

- ❑ Leading by example, maintaining drive, passion and positive energy within the team
  - ❑ Deferring to the team expertise, acknowledge and manage team strengths
  - ❑ Reporting to other teams on OKRs and project milestones progress
  - ❑ Cross team liaison with other development teams (Firmware, Software, Product)
  - ❑ Liaising with HR to define resourcing requirements and hire new team members
- 

### What we're looking for: *\*you can still apply if you don't fit all the requirements.*

- ❑ 5+ years experience with electronics product design, testing and manufacturing,
- ❑ Professional team leadership experience
- ❑ Excellent team spirit, outstanding communication skills and proactive attitude
- ❑ Experience working with remote teams
- ❑ Open-mindedness, willingness to learn and excitement for solving worldly problems
- ❑ Familiarity with DC power circuit design involving SMPS's, microcontrollers, buck/boost, analog sensing and solar/battery technologies



- ❑ Familiarity with circuit and PCB design software (EDA) such as Altium or KiCad
- ❑ A university degree in engineering or equivalent industry experience

**We also value these skills:** \*you can still apply if you don't fit all the requirements.

- ❑ Product requirements specification
  - ❑ Project planning and budgeting
  - ❑ Product development using Agile methodologies
  - ❑ DfX methodologies
  - ❑ Microcontroller architecture, peripherals, datasheets and application notes
  - ❑ Control systems theory, particularly PID controllers
  - ❑ Peripherals such as EEPROM, ADC, timers
  - ❑ Interfaces such as I2C, UART and SPI
  - ❑ Mechanical design and manufacturing, including CNC, injection molding, and extrusion
  - ❑ Operating electronic measurement equipment such as oscilloscopes, multimeters, spectrum analysers, electronic loads and power supplies
  - ❑ Manufacturing electronics products in China
  - ❑ Embedded firmware development using C/C++
  - ❑ Scripting languages such as Python
  - ❑ EMC testing and compliance certification
  - ❑ Version control systems such as Git/SVN
  - ❑ A keen interest in solar technologies and social impact
- 

## Benefits

- ❑ Flexible work location and working hours
- ❑ Professional career progression and opportunity to take on leadership responsibilities
- ❑ All expenses paid for national and international team trips (yearly team retreats, hackathons, etc.)
- ❑ Cover for work travel, health insurance, sick leave and equipment (i.e. laptops)
- ❑ A great work culture in fast paced startup environment with multinational staff
- ❑ The ability to take on additional relevant education while working
- ❑ Mentorship from our investors (Schneider Electric, Greenway Grid Global) and a range of experienced leaders and changemakers in our network.



## Internal Liaisons

- Hardware engineering team
- Firmware engineering team
- Manufacturing team

## External liaisons

- Equipment / component suppliers
  - Contract manufacturers
- 

## Our Challenge

After successfully deploying our prototype product in pilot projects across Cambodia, Philippines and Indonesia, Okra is looking for an experienced and motivated **Hardware Engineer Team Lead** who can lead and grow Okra's hardware engineering team into a world class agile and effective team.

In addition to leading the team, this role also involves developing design specifications and requirements, circuit design and simulation, hardware testing and debugging, and working closely with our manufacturers in Shenzhen during production phases. The vast majority of this work will be done in collaboration with the broader Firmware and Software product development teams which are spread between China, Malaysia and Australia..

---

## More About Okra

1 billion people around the world still don't have access to clean and reliable electricity. Okra has financial backing from investors including Schneider Electric, Smart Axiata, Greenway Global Grid. Our mission is to use IoT and big data to provide technology that will enable rapid electrification of the 1 billion people who don't have electricity. We are expecting to continue our trajectory of being a high growth company over the next few years, so this is an exciting time for everyone!

---

# #PowerToThePeople

**Not for you?**



Check out out these other [job openings](#) that may fit your profile:

- Team Lead - Hardware Engineer
- Hardware Quality Assurance Engineer