

# SOLAR TECHNICIAN

- 100% Online, Self-directed
- High demand for certified professionals
- 4 Quizzes
- Interactive and Gamified Elements to Test Comprehension

**Instructor: Bert Wank**

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Certificate of Completion from



## OVERVIEW: Solar Technician

In this course, you will learn the foundational concepts and business drivers related to solar panel technology and how to install, operate, and maintain this technology safely and optimally. By successfully completing this course, you will be ready to pursue employment as a solar technician.





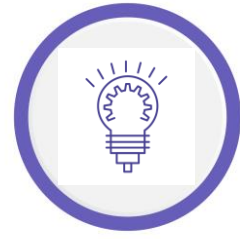
### **HIGH DEMAND**

Solar energy could provide 45% of the electricity in the United States by 2050, raising a huge demand for Solar Technicians.



### **HUGE SUPPLY GAP**

Demand for Solar Technicians far exceeds supply. That means less competition and more salary for experts.



### **BRIGHT FUTURE**

Employment of Solar Technicians is projected to grow 27% from 2021 to 2031, much faster than the average for all occupations. About 2,500 openings are projected each year, on average, over the decade.

## **BENEFITS OF THIS PROGRAM**

- ✓ This course equips individuals with the expertise to install, maintain, and repair solar energy systems, addressing the rising demand for sustainable energy solutions.
- ✓ Additionally, this course contributes to environmental preservation by promoting cleaner energy alternatives.
- ✓ Solar Technicians play a vital role in reducing carbon footprints and combating climate change.
- ✓ Overall, the benefits encompass professional growth, environmental stewardship, and a pivotal role in shaping the future of energy.

## **WHO IS THIS PROGRAM FOR?**

- ✓ If you are an individual seeking employment to kickstart your career, this is a great opportunity for you to learn the skills needed to succeed as a solar technician and build a rewarding, future-proof, and meaningful career.
- ✓ If you are already a Solar Technician, this program can give you more confidence and enhance knowledge.
- ✓ Anyone looking for an online certification course to become a Solar Technician.

## **HOW WILL YOU LEARN?**



- ✓ Study at a time and speed that suits you best.
- ✓ Utilize a desktop, laptop, or mobile device to access online learning.
- ✓ If internet access is unavailable, utilize the iZen-LEAP® box for course access on your computer or mobile device.
- ✓ If you lack access to a computer or mobile device, connect the iZen-LEAP® box to a TV or monitor and start learning.

## PREREQUISITES & COMPLEMENTARY COURSES:

- ✓ No prerequisites are required for taking this course.

## WHAT WILL YOU LEARN?

### MODULE - 1: Introduction to Solar

- ✓ Introduction to Solar
- ✓ What is Solar Energy?
- ✓ Components of a Typical Solar Energy System
- ✓ Module Technologies and Inverter Performance
- ✓ Inverters
- ✓ Balance-of-Systems (BoS)
- ✓ Energy Storage
- ✓ Solar Plant Lifecycle (DBOOT)

### MODULE - 2: Solar Installation

- ✓ Solar Ecosystem: Today & Tomorrow
- ✓ Residential Installations
- ✓ Commercial & Industrial and Utility Scale Installations

### MODULE - 3: Solar Operations

- ✓ On- & Off-grid Systems
- ✓ Inverters & Asset Management

### MODULE - 4: Business Considerations

- ✓ Business Considerations



## WHO WILL YOU LEARN FROM?

### PROGRAM FACULTY



This course is taught by Bert Wank, Founder and CEO of inifirel, an innovative solar technology company based out of California. inifirel's mission is to make renewable energy "Infinitely" Reliable. Bert is a veteran of the semiconductor industry, and a startup founder who's passionate about clean energy.

- Bert Wank LinkedIn profile: <https://www.linkedin.com/in/bertwank>
- inifirel company website: <https://www.inifirel.com/>

## WHAT IS THE DURATION OF THE PROGRAM?

- ✓ 1 to 2 hours.
- ✓ Rolling enrolment allows you to start any time.
- ✓ The course duration can be aligned to your schedule and requirements.

## ABOUT iZen



iZen is a Talent Empowerment company, offering end-to-end solutions for skill development and employability, leveraging the power of AI and other digital technologies. The company was founded in Silicon Valley, California with a global vision to incubate innovation and to provide a platform that gives access to knowledge, skills, and advisory to empower the next generation workforce and students. iZen brings you internationally recognized standard programs, to set you apart and to future-proof your career.

Besides teaching technical skills, iZen also offers courses on “soft skills” that can help you succeed in the workplace. To learn more about how you can support the principles of diversity, equity, and inclusion wherever you work, we encourage you to check out **Introduction to Diversity, Equity & Inclusion**.



## HOW DO I ENROLL IN THE COURSE?

<https://academy.iZen.ai>  
Email: [info@iZen.ai](mailto:info@iZen.ai)

