



## 1. Full Website Story

### VTTV × SARETEC × Cape Town DEDAT

#### **Building South Africa's Solar PV Technician Qualification — From Vision to Reality**

As South Africa accelerates its transition to renewable energy, one qualification has become essential to powering the country's green-skills revolution: the **Solar PV Technician**. But a qualification is only as strong as the learning materials that shape it — materials that must be technically accurate, industry-aligned, and accessible to learners entering a fast-growing field.

To bring this qualification to life, **SARETEC** and the **Cape Town Department of Economic Development and Tourism (DEDAT)** partnered with VTTV to design and develop the complete suite of learning materials that would train the next generation of Solar PV technicians.

This collaboration represents a milestone in South Africa's renewable-energy skills development — and VTTV is proud to have played a foundational role.

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#### **A Partnership Driven by Purpose**

SARETEC and DEDAT needed a partner who could:

- Translate complex solar-energy standards into clear, practical learning
- Build materials aligned with national occupational requirements (QCTO)
- Support trainers with structured, easy-to-deliver content
- Equip learners with real-world, hands-on understanding
- Strengthen the country's renewable-energy workforce at scale

VTTV brought together instructional design expertise, compliance rigour, and a deep understanding of practical training environments to meet this need.

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#### **Crafting the Solar PV Technician Qualification**

VTTV developed a comprehensive suite of learning materials, including:

- Learner guides
- Facilitator guides
- Assessment instruments
- Practical task instructions

- Safety and compliance modules
- Visual diagrams and step-by-step technical explanations
- Real-world scenarios and troubleshooting activities
- Online Modules

Every component was designed to be **industry-relevant, trainer-friendly, and accessible to diverse learners** — from young people entering the sector to technicians upskilling for new opportunities.

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### **Where Technical Precision Meets Practical Learning**

Solar PV work is hands-on, safety-critical, and deeply technical. VTTV ensured that the qualification prepared learners for real installations, real risks, and real responsibilities.

The materials emphasised:

- Safe working practices
- Electrical fundamentals
- System design principles
- Installation procedures
- Fault-finding and maintenance
- Quality assurance and compliance

The result is a qualification that produces technicians who are not only competent — but confident and work-ready.

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### **Impacting Communities, Industry, and the Future**

This partnership has contributed to:

- A stronger renewable-energy workforce
- Increased access to green-skills training
- Safer, higher-quality Solar PV installations
- Economic opportunities for young people
- A more resilient and sustainable energy future

VTTV is honoured to support a qualification that directly contributes to South Africa's growth, innovation, and energy independence.

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## Looking Ahead

As the renewable-energy sector evolves, VTTV remains committed to supporting SARETEC, DEDAT, and the broader green-skills ecosystem with:

- Updated learning materials
- Digital learning solutions
- Trainer support tools
- Compliance-aligned content
- Scalable, future-ready training frameworks

**Together, we're building the workforce that will power South Africa's energy future.**

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## 2. Short Homepage Version

### **Powering South Africa's Green-Skills Future**

VTTV partnered with SARETEC and Cape Town DEDAT to develop the complete learning materials for the Solar PV Technician qualification — a cornerstone of South Africa's renewable-energy workforce.

Clear. Practical. Industry-aligned.

Designed to prepare confident, work-ready Solar PV technicians.

**A partnership shaping the future of energy.**

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## 7. LinkedIn / Corporate Social Media Version

### **Powering South Africa's Renewable-Energy Future**

VTTV is proud to have partnered with SARETEC and Cape Town DEDAT to develop the full suite of learning materials for the Solar PV Technician qualification.

This qualification is a cornerstone of South Africa's green-skills pipeline — and we're honoured to help shape the training that prepares confident, work-ready Solar PV technicians.

A partnership built on purpose.

A qualification built for the future.

A workforce built for a changing world.

**#VTTV #SARETEC #DEDAT #SolarPV #GreenSkills #RenewableEnergy #SkillsDevelopment #SouthAfrica**