Datastat Research
Building Capacity in Training and Research

# DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

RENEWABLE ENERGY

# Training course on PV System Troubleshooting and Maintenance

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

## PROGRAM SPECIFICATIONS & HIGHLIGHTS

**DURATION**
**10 Days Practical Hands-on**

**DELIVERY MODES**
**In-Person Class & Live Virtual**

**CERTIFICATION**
**Accredited Certificate of Completion**

**INTAKES / DATES**
**Multiple Cohort Schedules Included**

PREPARED FOR:

**Valued Participant**

Email: training@datastatresearch.org | Issued: November 24, 2026

**Academic & Professional Training Year: 2026**

**DATASTAT TRAINING INSTITUTE**
P.O. Box 102802-00101, Nairobi, Kenya
Training Centers: Nairobi • Mombasa • Kigali • Dubai • Live Virtual Academy

Tel: +254 724 527 104 | +254 734 969 612
Email: training@datastatresearch.org
www.datastatresearch.org

# Training course on PV System Troubleshooting and Maintenance

**Renewable Energy • 10 Days Intensive • Accredited Certification**

## Course Overview

Training Course on PV System Troubleshooting & Maintenance aims to equip participants with the skills and knowledge necessary for effectively maintaining and troubleshooting photovoltaic (PV) systems.

### Key Skills & Software Tools Covered

Solar PV • Troubleshooting • Maintenance • Engineering

## Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

| TRAINING DATES | LOCATION / VENUE | FORMAT / DURATION | INVESTMENT (FEE) |
|---|---|---|---|
| **7 Dec 2026 – 18 Dec 2026** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **7 Dec 2026 – 18 Dec 2026** | Kigali | Classroom / 10d | **$6,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Dubai | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Cape Town | Classroom / 10d | **$9,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Singapore | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Istanbul | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Bangkok | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **7 Dec 2026 – 18 Dec 2026** | Accra | Classroom / 10d | **$8,000 USD / KES 110,000** |
| **4 Jan 2027 – 15 Jan 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **4 Jan 2027 – 15 Jan 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |

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| **18 Jan 2027 – 29 Jan 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **18 Jan 2027 – 29 Jan 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Feb 2027 – 12 Feb 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Feb 2027 – 26 Feb 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **1 Mar 2027 – 12 Mar 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |

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| **15 Mar 2027 – 26 Mar 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **15 Mar 2027 – 26 Mar 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **29 Mar 2027 – 9 Apr 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **12 Apr 2027 – 23 Apr 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |

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| **26 Apr 2027 – 7 May 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **26 Apr 2027 – 7 May 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **10 May 2027 – 21 May 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **24 May 2027 – 4 Jun 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **7 Jun 2027 – 18 Jun 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |

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| **21 Jun 2027 – 2 Jul 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **21 Jun 2027 – 2 Jul 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **5 Jul 2027 – 16 Jul 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **19 Jul 2027 – 30 Jul 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |

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|---|---|---|---|
| **2 Aug 2027 – 13 Aug 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **2 Aug 2027 – 13 Aug 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **16 Aug 2027 – 27 Aug 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **30 Aug 2027 – 10 Sep 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **13 Sep 2027 – 24 Sep 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |

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| **27 Sep 2027 – 8 Oct 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **27 Sep 2027 – 8 Oct 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **11 Oct 2027 – 22 Oct 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **25 Oct 2027 – 5 Nov 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **8 Nov 2027 – 19 Nov 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |

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| **8 Nov 2027 – 19 Nov 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **22 Nov 2027 – 3 Dec 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Kigali | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Dubai | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Cape Town | Classroom / 10d | **$9,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Singapore | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Istanbul | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Bangkok | Classroom / 10d | **$10,000 USD / KES 220,000** |
| **6 Dec 2027 – 17 Dec 2027** | Accra | Classroom / 10d | **$8,000 USD / KES 220,000** |

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

## Course Curriculum & Modules

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**Training Course on PV System Troubleshooting & Maintenance**

**Training Course on PV System Troubleshooting & Maintenance aims to equip participants with the skills and knowledge necessary for effectively maintaining and troubleshooting photovoltaic (PV) systems. As the adoption of solar energy continues to grow, it is essential for professionals in the solar industry to understand how to ensure the optimal performance and longevity of PV systems. This course focuses on practical, hands-on approaches to diagnosing issues, performing maintenance tasks, and implementing best practices for system reliability.**

**Photovoltaic systems, while generally low-maintenance, can encounter various challenges that may impact their efficiency and output. These issues can range from equipment failures, wiring problems, and environmental factors to improper installation techniques. Identifying and resolving these issues promptly is crucial for maintaining the energy production levels expected from solar installations. This course provides participants with a comprehensive understanding of common problems in PV systems and the strategies needed to address them effectively. Through a series of interactive modules, participants will explore topics such as system design considerations, performance monitoring, common failure modes, and troubleshooting techniques. The curriculum emphasizes real-world applications, case studies, and hands-on exercises that allow attendees to engage critically with the material. By the end of the training, participants will be well-prepared to conduct thorough inspections, perform maintenance tasks, and troubleshoot PV systems in various settings.**

## Course Objectives

- Understand the fundamental components of photovoltaic systems.
- Analyze the common issues that affect PV system performance.
- Develop effective troubleshooting techniques for PV systems.
- Evaluate maintenance best practices to enhance system reliability.
- Assess the role of monitoring tools in performance evaluation.
- Communicate effectively about PV system issues and solutions.
- Identify safety procedures and best practices in maintenance.
- Conduct inspections and performance assessments of PV systems.
- Understand warranty and service agreements related to PV systems.
- Explore the impact of environmental factors on PV performance.
- Foster collaboration among technicians and project managers.
- Create action plans for ongoing maintenance and troubleshooting.
- Stay informed about advancements in PV technology and maintenance practices.

Target Audience

- Solar technicians
- Maintenance engineers
- Project managers in renewable energy
- Energy auditors
- Electrical engineers
- Graduate students in energy management

- Non-profit organization representatives focused on solar energy
- Corporate sustainability officers

Course Duration: 10 Days

Course Modules

### Module 1: Introduction to PV Systems

- Overview of photovoltaic technology and its components.
- Understanding the principles of solar energy conversion.
- Key terminology and concepts in PV system design.
- Importance of system maintenance for optimal performance.
- Case studies on PV system installations.

### Module 2: Common PV System Issues

- Identifying common performance issues in PV systems.
- Analyzing causes of reduced energy output.
- Understanding equipment failures (inverters, panels, etc.).
- Evaluating environmental impacts on system performance.
- Case studies on troubleshooting real-world issues.

### Module 3: Troubleshooting Techniques

- Step-by-step troubleshooting processes for PV systems.
- Using diagnostic tools and equipment effectively.
- Conducting visual inspections and performance tests.
- Documenting findings and resolutions.
- Case studies on successful troubleshooting efforts.

### Module 4: Maintenance Best Practices

- Overview of routine maintenance tasks for PV systems.
- Importance of regular inspections and performance monitoring.
- Techniques for cleaning and maintaining solar panels.
- Best practices for maintaining inverters and electrical components.
- Case studies on effective maintenance strategies.

### Module 5: Monitoring Tools and Performance Evaluation

- Understanding the role of monitoring systems in PV performance.
- Overview of software and tools for performance tracking.
- Analyzing data from monitoring systems for troubleshooting.
- Evaluating system performance against benchmarks.
- Case studies on the impact of monitoring on maintenance.

### Module 6: Safety Procedures in PV Maintenance

- Identifying safety hazards associated with PV systems.
- Understanding electrical safety protocols during maintenance.
- Best practices for working at heights and with electrical equipment.
- Importance of personal protective equipment (PPE).
- Case studies on safety in PV maintenance operations.

### Module 7: Inspections and Performance Assessments

- Techniques for conducting thorough inspections of PV systems.
- Understanding key performance indicators (KPIs) for PV systems.
- Evaluating system performance over time.
- Documenting inspection findings and maintenance actions.
- Case studies on effective inspection practices.

### Module 8: Understanding Warranties and Service Agreements

- Overview of warranties related to PV components.
- Understanding service agreements and maintenance contracts.
- Evaluating the implications of warranties on maintenance.
- Communicating warranty details to clients and stakeholders.
- Case studies on warranty claims and resolutions.

### Module 9: Environmental Factors and Their Impact

- Analyzing how environmental conditions affect PV performance.
- Understanding the impact of shading, temperature, and dust.
- Evaluating site selection and layout considerations.
- Strategies for mitigating environmental impacts.
- Case studies on optimizing performance in challenging environments.

### Module 10: Collaboration and Communication in Maintenance

- Importance of teamwork in PV maintenance and troubleshooting.
- Techniques for effective communication among technicians and managers.
- Engaging stakeholders in maintenance discussions.
- Documenting maintenance activities and findings.
- Case studies on successful collaborative efforts.

### Module 11: Developing Maintenance Action Plans

- Creating effective maintenance plans for PV systems.
- Setting goals and timelines for maintenance activities.
- Engaging teams in the planning process.
- Evaluating success and adapting plans over time.
- Case studies on successful maintenance planning.

### Module 12: Future Trends in PV Technology and Maintenance

- Exploring emerging technologies in photovoltaic systems.
- Impact of digitalization and IoT on maintenance practices.
- Innovations in PV system design and efficiency.
- Predictions for the future of solar energy maintenance.
- Case studies on pioneering advancements in PV technology.

Training Methodology

- Interactive Workshops: Facilitated discussions, group exercises, and problem-solving activities.
- Case Studies: Real-world examples to illustrate successful community-based surveillance practices.
- Role-Playing and Simulations: Practice engaging communities in surveillance activities.
- Expert Presentations: Insights from experienced public health professionals and community leaders.
- Group Projects: Collaborative development of community surveillance plans.
- Action Planning: Development of personalized action plans for implementing community-based surveillance.
- Digital Tools and Resources: Utilization of online platforms for collaboration and learning.
- Peer-to-Peer Learning: Sharing experiences and insights on community engagement.
- Post-Training Support: Access to online forums, mentorship, and continued learning resources.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

- Participants must be conversant in English.
- Upon completion of training, participants will receive an Authorized Training Certificate.

• The course duration is flexible and can be modified to fit any number of days.

• Course fee includes facilitation, training materials, 2 coffee breaks, buffet lunch, and a Certificate upon successful completion.

• One-year post-training support, consultation, and coaching provided after the course.

• Payment should be made at least a week before the training commencement to DATASTAT CONSULTANCY LTD account, as indicated in the invoice, to enable better preparation.

## Certification & Learning Methodology

• Hands-on practical delivery with real-world datasets, case studies, and lab exercises.

• Post-training mentorship, access to class resources, and customized follow-up support.

• Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

## How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/training-course-on-pv-system-troubleshooting-and-maintenance to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.