



SOLAR PLANT OPERATION AND MAINTENANCE

Considering the immense and exponential growth in Solar PV Plant applications and installations, it is obvious that more and more entities have secured solar systems and are well into the usage life span of their systems.

The entities installing these systems, typically install them for reasons such as reducing energy/ utility associated costs, achieving sustainability goals, energy security (through acquiring a diversified energy mix) and most importantly securing a reliable source of energy (through reduced to no effects of load shedding, power cuts and power outages). Effective operation and maintenance (O&M) is essential in realising the aforesaid reasons.

No longer do plant owners/stakeholder and industry professionals consider solar PV plant as "maintenance free".





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An O&M service plan is therefore crucial to:

- ✓ Maximise overall system performance.
- ✓ Minimize system downtime/outages.
- ✓ Ensure the economic viability of a project.
- ✓ Maintain and possibly increase the expected lifespan of a system.
- ✓ Reduce the risks to equipment, property and working personnel life.
- ✓ Maintain existing warranties that require regular O&M.



STANDARD ANNUAL MAINTENANCE PACKAGE

- PANEL CLEANING ✓
- INSTALLATION QUALITY CHECKS ✓
- SOFTWARE / FIRMWARE UPDATES ✓

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SOLAR PLANT OPERATION AND MAINTENANCE

We perform Technical Asset Management, which includes but is not limited to:

- ✓ Reporting to the Asset Owner on:
 - PV plant performance
 - O&M performance
 - Incidents
- ✓ Power Plant Operations:
 - Plant documentation management
 - Plant supervision
 - Plant operation
 - Management of change (optional)
 - Reporting to Technical Asset Manager (in case O&M service provider is not the Technical Asset Manager)
- ✓ Power Plant Maintenance:
 - Preventative Maintenance
 - Corrective Maintenance
 - Extraordinary Maintenance
 - Additional Maintenance

