



FALCON SOLUTIONS

Protecting Today, Powering Tomorrow

SOLAR OPERATIONS AND MAINTENANCE (O&M)

PROFESSIONAL SOLAR PLANT CARE FOR

- Delivering reliable energy performance
- Ensuring long term system efficiency
- Maintaining safe and optimal operations
- Supporting maximum energy output



PREVENTIVE MAINTENANCE

Regular inspections and scheduled maintenance to prevent issues and ensure peak performance.



MODULE CLEANING

Professional cleaning services to remove dust, dirt and debris for maximum efficiency.



PERFORMANCE MONITORING

24/7 monitoring and real-time diagnostics to detect issues and optimize energy output.



REPAIR & SUPPORT

Quick response and expert repairs to minimize downtime and extend system life.



FALCON SOLUTIONS

Protecting Today, Powering Tomorrow

ABOUT

SOLAR OPERATIONS & MAINTENANCE SERVICES

Falcon Solutions specializes in complete Solar Operations & Maintenance services that ensure every solar power system performs safely, efficiently, and reliably throughout its lifetime.



EXPERIENCED TECHNICAL TEAM

Skilled and certified professionals for reliable service.



SAFETY-FIRST APPROACH

Work executed with highest safety standards.



ADVANCED TOOLS & EQUIPMENT

Modern technology for thorough inspection and cleaning.



PREVENTIVE MAINTENANCE

Identify and resolve issues before they impact performance.



PERFORMANCE OPTIMIZATION

Maximum generation, better efficiency and higher ROI.



QUICK RESPONSE SUPPORT

Timely assistance whenever you need us.



PAN INDIA EXPANSION

Growing network to serve clients across the country.



SAFE SYSTEMS STRONGER FUTURE

We keep your solar assets safe, reliable, and efficient.



MAXIMUM UPTIME MAXIMUM OUTPUT

Optimized performance for consistent energy generation.



RELIABLE TODAY SUSTAINABLE TOMORROW

Proactive care for long-term value and peace of mind.



TRUSTED PARTNER AT EVERY STEP

Dedicated to your success with quality & commitment.



NATIONWIDE REACH LOCAL EXPERTISE

Pan India presence with faster response, anywhere.

WHY SOLAR O&M IS IMPORTANT

Solar systems face daily challenges that reduce efficiency and performance.



DUST



BIRD DROPPINGS



POLLUTION



LEAVES



WATER STAINS



LOOSE WIRING



HOTSPOTS



DAMAGED MC4 CONNECTORS

ALL REDUCE ENERGY PRODUCTION.

WITHOUT MAINTENANCE

- ✗ 10-35% Power Loss
- ✗ Reduced Panel Life
- ✗ Fire Risk
- ✗ Warranty Issues
- ✗ Lower ROI



VS

WITH REGULAR O&M

- ✓ Higher Generation
- ✓ Better Efficiency
- ✓ Longer Equipment Life
- ✓ Better Safety
- ✓ Maximum ROI



PROTECT YOUR INVESTMENT



MAXIMIZE PERFORMANCE



ENSURE LONG-TERM RELIABILITY



POWER A BRIGHTER TOMORROW

OUR SOLAR O&M SERVICES

Comprehensive operations and maintenance solutions to ensure your solar power system delivers maximum performance, safety and long-term reliability.



SOLAR PANEL CLEANING

- Manual Cleaning
- Water-fed Pole Cleaning
- Soft Brush Cleaning
- Chemical-free Cleaning
- De-mineralized Water Cleaning



PREVENTIVE MAINTENANCE

- Tightening connections
- Structure inspection
- Cable inspection
- Earthing check
- Junction box inspection
- Torque checking



ELECTRICAL INSPECTION

- AC side inspection
- DC side inspection
- Inverter inspection
- SPD inspection
- MCCB inspection
- Isolator testing
- Continuity testing



THERMAL INSPECTION

- Hotspot detection
- Loose connector detection
- Thermal imaging



MAXIMIZE PERFORMANCE

Ensure higher energy generation and efficiency.



REDUCE DOWNTIME

Prevent issues before they impact productivity.



EXTEND SYSTEM LIFESPAN

Regular care keeps your system healthy for longer.



LOWER COSTS

Minimize repairs and maximize savings.



SAFETY ASSURED

Safe operations for your team and your assets.



OUR SAFETY STANDARDS

We follow industry-best safety standards to protect our people, equipment and every solar system we service.

OUR TEAM FOLLOWS



PPE STANDARDS



HELMET



SAFETY HARNESS



ROPE ACCESS



SAFETY SHOES



ELECTRICAL GLOVES



EYE PROTECTION



LOCK-OUT
TAG-OUT (LOTO)



FALL PROTECTION



TOOLBOX TALK



WORK PERMIT
SYSTEM



SAFETY IS NEVER COMPROMISED.



TRAINED &
CERTIFIED TEAM



STRICT SAFETY
COMPLIANCE



RISK IDENTIFICATION
& PREVENTION



SAFE WORK
ENVIRONMENT



SAFETY CULTURE
BUILT IN EVERY TASK



OUR O&M PLANS

Flexible operation & maintenance plans designed to keep your solar system performing at its best, all year round.

 RESIDENTIAL	 COMMERCIAL	 INDUSTRIAL	 UTILITY SCALE	 ANNUAL CONTRACTS
• Monthly • Quarterly • Half-Yearly • Annual 	• Monthly • Fortnightly • Weekly 	• Weekly • Bi-weekly • Monthly 	Customized Annual Maintenance Contract 	Comprehensive care with priority support throughout the year. 



AMC AVAILABLE

Comprehensive coverage for worry-free performance.



EMERGENCY VISIT

Quick response when you need it the most.



BREAKDOWN SUPPORT

Rapid resolution to minimize downtime and losses.



ANNUAL CONTRACTS

Long-term reliability with scheduled care and support.

INDUSTRIES WE SERVE

Reliable O&M solutions tailored to meet the needs of every sector, ensuring optimal performance and long-term value.



**RESIDENTIAL
APARTMENT**



HOTELS



VILLA



FACTORIES



**HOUSING
SOCIETY**



WAREHOUSES



SCHOOLS



SHOPPING MALL



HOSPITALS



PETROL PUMP



GOVERNMENT BUILDINGS



GROUND MOUNTED SOLAR PLANTS



**MAXIMUM
PERFORMANCE**

Keep your system
running at peak efficiency.



**RELIABLE & SAFE
OPERATIONS**

Ensure safety, compliance
and uninterrupted power.



COST SAVINGS

Preventive maintenance
reduces breakdowns
and repair costs.



**EXTENDED
LIFESPAN**

Regular care extends
the life of your system.



**SUSTAINABLE
FUTURE**

Clean energy today for
a better tomorrow.

WHY CHOOSE FALCON SOLUTIONS?

01



TRAINED
ENGINEERS



02



EXPERIENCED
CLEANING TEAM



03



PROFESSIONAL
EQUIPMENT



04



SAFETY
COMPLIANT



05



FASTER
RESPONSE



06



PREVENTIVE
MAINTENANCE



07



PERFORMANCE
IMPROVEMENT



08



DETAILED
INSPECTION
REPORTS



09



BEFORE &
AFTER
IMAGES



10



GENERATION
MONITORING



11



AFFORDABLE
AMC PACKAGES



12



PAN INDIA
EXPANSION



EXPERT CARE

Handled by experts
who understand
solar systems.



SAFE & RELIABLE

We follow the highest
safety standards in
every service.



MAXIMUM UPTIME

Minimizing downtime
to keep your system
always productive.



BETTER RETURNS

Improved efficiency
leads to higher energy
generation.



DEDICATED SUPPORT

Always here to support
you before, during &
after the service.

OUR O&M PROCESS

A systematic approach to ensure peak performance, safety, and long-term value.



**SITE
INSPECTION**



**PLANT HEALTH
ASSESSMENT**



CLEANING



**ELECTRICAL
INSPECTION**



**THERMAL
INSPECTION**



**PERFORMANCE
TESTING**



**DETAILED
REPORT**



RECOMMENDATIONS



**NEXT MAINTENANCE
SCHEDULE**



FALCON SOLUTIONS

Protecting Today, Powering Tomorrow

CLEAN TODAY. POWER TOMORROW.

Professional solar panel cleaning and expert consultations to maximize performance, efficiency and long-term savings.



OUR SERVICES AVAILABLE NOW



NAGPUR



PUNE



MUMBAI



EXPANDING ACROSS INDIA

GROWING STRONGER, REACHING FARTHER.

We are expanding our presence to serve more communities across India with excellence and commitment.

 EXPANSION IN PROGRESS



NEW CITIES



WIDER REACH



GREATER IMPACT

DOWNLOAD OUR APP



iOS



Android



NAGPUR OFFICE

Ground floor, house no 1135, shop no 2,
near Bharat Mata Chowk, Jagannath Budhwari,
Nagpur - 440002



+91 9767376272



akbar@falconsolution.in



www.falconsolution.in

BOOK YOUR SERVICE

Scan the QR code to download
our mobile app and book your
service in just a few taps.

