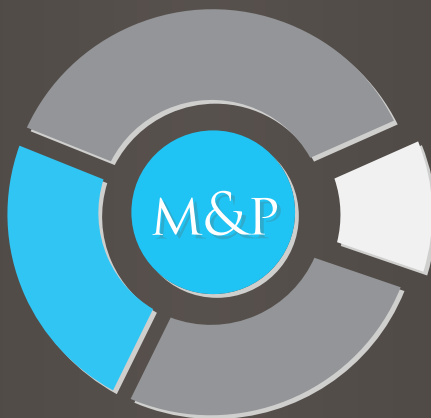


MORE THAN
ONE GIGAWATT
OF EXPERIENCE



CHECK UP YOUR PLANT
PV APPLICATION

MORONI & PARTNERS



www.checkupyourplant.it

Check Up Your Plant includes services to verify, optimize and improve every characteristic of a photovoltaic plant.

1 PLANT INSPECTION SERVICING YOUR PLANT

M&P executes an annual inspection of the plant and performs a check-up related to:

- Instrumental (N.D.T.) analyses according to UNI EN 473
- Independent PR measurement
- General assessment of the plant
- Calibration of irradiation sensors

The aim of the inspection is to verify the performance degradation of the plant, the correct calibration and the functionality of the on site equipment and to check the presence of defects requiring the materials replacement.



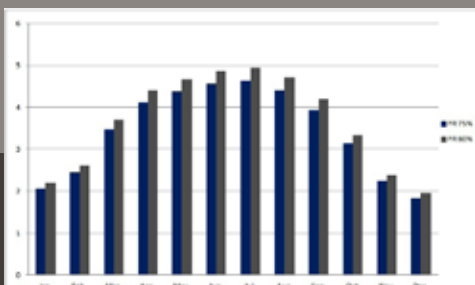
2 CHECK UP OF SOLAR TRACKING SYSTEMS CHECK THE FUNCTIONALITY OF YOUR SOLAR TRACKERS

M&P controls the operation and the reliability of the PV tracking systems, in order to verify the proper operation and to increase the revenue of the investment.



3 OPTIMIZE YOUR PLANT GET THE MAXIMUM OUT OF YOUR PLANT

M&P is able to provide sustainable solutions for the electric system production, for the management of materials guarantees and for the components' durability, through an effective reverse engineering strategy and some instrumental and sophisticated computer-based tests. The costs due to any required corrective actions will be carefully analyzed through a business plan showing the cost-effectiveness that justifies any intervention.



4 HEALTH & SAFETY CHECK COMPLIANCE OF YOUR PLANT WITH HEALTH AND SAFETY REGULATIONS

M&P helps you to check the enforcement of all health & safety legislations, both during building operations and at completion of the works.

The analysis concerns the thorough compliance with all health & safety provisions, including all the required paperworks, and the fulfillment of safety requirements in the workplace, also with a view to obtaining the OHSAS 18001 certification.

This service provides a clear and complete vision of the plants' safety conditions and eliminates all risks deriving from non-compliance.



5 PLANTS LOCATOR YOUR PLANTS ARE JUST ONE CLICK AWAY

The Plants locator is a web-based application that has been developed to check the status of work-in-progress activities and to have access on all plant-related documentation, receiving updates in real time.

The application consists of two parts:

Visual page: thanks to a user-friendly interface, that can be consulted from any mobile device, the owner can browse the plants according to their location and features.

Data Page: Through a CMS (Content Management System) it will be possible to check all plant-related documents.



6 STRUCTURAL TEST TAKE CARE OF YOUR INVESTMENT

M&P checks the security of the structural engineering of your system to assure a long-term durability. M&P checks the accuracy of the structural design and detects in the field the defectiveness of materials. We are able to anticipate the durability of structures starting from their oxidation rate.



7 DOCUMENTS VERIFICATION FOR GSE APPROVAL MAKES SURE THAT YOUR SYSTEM IS COMPLIANT WITH LEGAL STANDARDS

Arrange your system for a GSE inspection. M&P helps you to check the compliance and the completeness of your documentation, in order to prevent a suspension or a revocation of the incentive.



8 PROTECT YOUR PLANT STASH YOUR PLANT

M&P verifies the functionality and reliability of your anti-intrusion and video surveillance devices.

Specifically M&P is able to perform the following services:

- Evaluation of the devices and analysis of criticalities
- Track your Plant
- Check of on-site functionality and equipment verification
- Check of protection levels and alarms



9 LABORATORY TESTS CHECK THE PERFORMANCE AND THE QUALITY OF YOUR PV MODULES

M&P verifies the structural strength and the performances of crystalline modules, thin film and concentrating PV modules (CPV) thanks to the cooperation with certified laboratory tests, compliant with international standards.

Particularly the following tests can be executed:

- Performance and quality measurements on crystalline PV modules in compliance with CEI EN 61215
- Performance and quality measurements on thin-film PV modules in compliance with CEI EN 61646
- Performance and quality measurements on concentrating PV modules (CPV) in compliance with CEI EN 62108
- Electroluminescence test



10 PHOTOVOLTAIC MODULES DISPOSAL

ENSURE THE COMPLIANCE WITH LAWS AND REGULATIONS

M&P supports the investors during the collection and the disposal of the PV modules in compliance with national laws and regulations: Italian regulations IV and V Conto Energia, RAEE Directive (D.Lgs. 151/05 and DM 65/10) and national environmental laws (D. Lgs. 152/2006).

M&P ensures the disposal of inverters and electronic devices subject to the RAEE directive. The disposal is performed in cooperation with ECO-PV consortium, authorized by GSE to PV disposing in compliance with National Energy Management Operator rules.



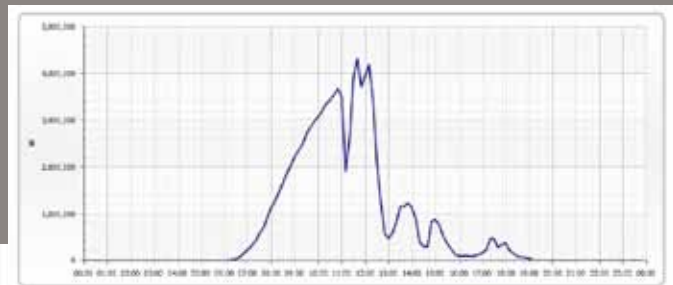
11 ASSET MANAGEMENT DIVISION

OUR EXPERIENCE FOR YOUR INVESTMENT CARE

M&P Asset Management services help the investors during technical and administrative management of the PV plant, in order to increase the investment value and the revenues ensuring the compliance with local laws and regulations.

The service includes:

- Suppliers selection and O&M contract subscription
- On field survey of O&M activities
- Remote monitoring of PV plant performances
- PV plants performance assessment
- Support in the relationship with National Energy Management Operator, Custom Agency and Transmission System Operator
- Support to administrative and accounting management of the investment
- Legal and fiscal management support



CHOSEN BY:



Renewable Energy Advisory Firm of the Year - Italy 2013

ACQUISITION
INTERNATIONAL

THE HIGH TECHNICAL, SCIENTIFIC AND REGULATORY SPECIALIZATION ENABLES US TO PROVIDE THE SERVICES FOR THE FOLLOWING TYPES OF CUSTOMERS:

- **INVESTORS**
- **LENDING INSTITUTIONS**
- **PRODUCERS**
- **O&M CONTRACTOR**

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