



**REVAMPING  
MAINTENANCE / O&M SOLAR SERVICE**

**v**olta**lia**

[www.voltaia.com](http://www.voltaia.com)



# WHO WE ARE

Founded in 2005, Voltalia is an international player in renewable energy production and storage, acting both as Power Producer and Service Provider for its clients.

With a historic purpose to *"Improve global environment, fostering local development"*, Voltalia officially became a "Mission-Driven" company in 2021 to enhance its environmental and social commitments.

## A FULLY INTEGRATED SUSTAINABLE BUSINESS MODEL



## MAINTENANCE O&M SOLAR SERVICE

Voltalia's Operation and Maintenance service ensures the continuous efficiency of your PV asset. Over 24 hours a day, 7 days a week and 365 days a year, we work to improve plant performance and maximize its return.

5.6 GW in operation demonstrate our reliability, credibility and bankability to customers. Our trained and certified teams act locally in different geographies across the globe, supported by a central monitoring team and system allowing Voltalia's O&M Service to stay ahead in this business segment.

### KEY FIGURES\*

**5.6 GW**  
in operation for Voltalia  
& Third parties

**315+**  
dedicated  
O&M specialists

**20+**  
countries on  
3 continents

**MORE THAN 15**  
years experience  
worldwide

\*as of 31/12/2023





# REVAMPING

Revamping means the modernization of an existing photovoltaic plant, replacing one or more of its components. In this way, plant lifetime is extended, particularly in those countries where irradiation is high. This therefore leads to higher performance and as a consequence higher energy production.

By improving performance of commercial assets, Asset Owners are turning their projects more competitive, benefitting from most updated technologies which are more reliable and environmental friendly.

At Voltalia, we provide high-end solutions ensuring safety, the correct use of resources, and the re-establishment of efficiency through revamping and repowering activities for any photovoltaic system.

In revamping activities, we operate on older PV systems or those with well-known issues to improve them compared to their initial efficiency, thus preventing their premature deterioration and improve their reliability. Our goal is to renew the systems from a technological point of view and to avoid wear and tear on the equipment.

## Improve the performance of your system by optimising your PV power plant.

To unleash a PV power plant's full potential, individual solutions are always required. That's why our engineering, hardware development and service teams put together a complete solution for the entire life of the system. All aspects of repowering, from engineering and technology to O&M service, are optimally met according to your requirements.

### REVAMPING

#### – When to do it

- Widespread presence of hot-spots or other anomalies in the modules;
- Worn out inverters;
- Poor performance ratio of the plant;
- Presence of design errors;
- Regulatory compliance.

#### – It is better to be preventive than reactive. Here's why.

- You can increase your plant efficiency up to 10%;
- Worthwhile after 5-10 yrs of operation;
- New warranties for new components;
- Lower costs and less frequent recurrence of repairs;
- Optimize plant performance for continuous operation;
- Comply with regulatory requirement;
- Helps to extend maintenance intervals;
- Avoid downtimes and shutdowns.

### REPOWERING

#### – Main benefits

- Switch to the latest generation high efficiency inverters;
- Higher yields;
- Reduced operating costs;
- Higher investment security;





# REVAMP TODAY TO SECURE LONG-TERM VALUE FOR YOUR SOLAR PLANTS

Photovoltaic plants have an estimated lifespan of 30 years, but can start to become obsolete after some years of operation. Regardless of periodic measures to replace damaged or poorly performing parts, maintenance cannot prevent the plant from decreasing in performance with the resulting reduction in production.

Our many years of experience in maintenance led us to believe that revamping is the most effective method of giving your plant a new lease of life. Plants will regain their original power and increase performance, thereby allowing you to recoup the

cost of renovation in a very short time.

Revamping is equivalent to repowering: your project benefits from the higher unit powers of photovoltaic modules on the market, restoring or even exceeding original power levels without having to expand the available space.

Our team of experts will assess the features of your plant and the context in which it operates in order to suggest the best solutions available.

## The solutions

Voltalia team will diagnose, propose solutions and then engineer and implement them to transform underperforming, distressed plants into optimized sites for performance output through safety control, achievement of full manageability and integration into our software.

Solar PV plant repowering and revamping services are tailored to the needs of the solar asset owner/operator.



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