

Photovoltaic (PV) Plant Operations And Maintenance Services Market Industry Strengthens Amid Rising Global Demand

*The Business Research Company's
Photovoltaic (PV) Plant Operations And
Maintenance Services Global Market
Report 2026 – Market Size, And Forecast
2026-2035*

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/EINPresswire.com/ -- "The

photovoltaic (PV) plant operations and maintenance services sector has seen substantial growth recently, reflecting the broader shift toward renewable energy. As solar power installations continue to rise, the demand for reliable and efficient operation and maintenance services is becoming increasingly important. Let's explore the current market size, key growth drivers, regional dynamics, and future trends shaping this vital industry.

Anticipated Market Size of the Photovoltaic Plant Operations and Maintenance Services Market by 2025

The photovoltaic plant operations and maintenance services market has experienced significant expansion over recent years. It is projected to increase from \$5.33 billion in 2025 to \$5.77 billion in 2026, growing at a compound annual growth rate (CAGR) of 8.3%. This historic growth has been largely driven by the rapid rise of utility-scale solar projects, decreasing prices of photovoltaic modules, the early adoption phase of fundamental O&M services, limited remote monitoring technologies, and operational models that have primarily relied on reactive maintenance.

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Future Market Growth Prospects for Photovoltaic Plant Operations and Maintenance Services
Looking ahead, the market is expected to maintain its strong upward trajectory, reaching \$8 billion by 2030 with an estimated CAGR of 8.5%. This forecasted expansion is fueled by an



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increasing number of aging solar assets, a greater focus on optimizing plant performance, continuous additions to utility-scale solar capacity, the need to extend the lifecycle of photovoltaic systems, and a growing trend among asset owners to outsource O&M services. Key trends anticipated during this period include repowering and retrofitting aged solar installations, the emergence of performance-based O&M contracts, services aimed at managing grid curtailment and energy dispatch optimization, specialized training programs for solar technicians, and the incorporation of insurance-integrated, risk-based maintenance planning solutions.

Understanding Photovoltaic Plant Operations and Maintenance Services

Photovoltaic plant O&M services encompass a broad range of activities aimed at ensuring the consistent and efficient operation of solar PV power plants. These tasks include ongoing monitoring, inspections, repairs, and system optimizations. By performing these functions, O&M services help extend the lifespan, boost energy output, enhance safety, and reduce operational risks and downtime for solar installations.

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Renewable Energy Demand as a Catalyst for Market Growth

One of the primary factors propelling the photovoltaic plant O&M market is the surging demand for renewable energy sources. Renewable energy comes from naturally replenishing processes like sunlight, wind, and biomass, which offer environmentally friendly alternatives to fossil fuels. The shift toward sustainable energy systems and reducing carbon emissions is driving this demand. Photovoltaic plant O&M services play a crucial role by keeping solar power systems running at peak performance, ensuring reliability, and maximizing asset longevity through diligent maintenance and efficiency improvements. For instance, in August 2025, Climate Action, a UK-based climate group, reported that renewable energy's share of UK electricity generation rose to 50.4% in 2024 from 46.5% in 2023. This increase was supported by record wind output, steady solar performance, and a 17% boost in bioenergy production, underlining the strengthening adoption of renewables and the corresponding need for O&M services.

Regional Overview of the Photovoltaic Plant Operations and Maintenance Services Market

In terms of geographical distribution, Asia-Pacific held the largest share of the photovoltaic plant O&M services market in 2025. Meanwhile, the Middle East is anticipated to be the fastest-growing region throughout the forecast period. The market analysis encompasses key regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, and the Middle East and Africa, providing a comprehensive view of global market trends and opportunities.

Our 2026 reports feature deeper market intelligence with market attractiveness scoring and

analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, and updated graphics and tables.

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