



inFinity
SOLUTIONS
- FOR CONTRACTING -

INFINITY

SOLUTIONS FOR CONTRACTING

YOUR ALL-IN-ONE
SUCCESS PARTNER





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OVERVIEW

Overview of Infinity Solutions

Founded in 2019, Infinity Solutions for Contracting has quickly established itself as a leading provider of solar energy projects, delivering high-quality solutions across the utility-scale photovoltaic (PV) sector. With expertise in solar panel installation, wind and Bess, inverter technology, and grid integration, Infinity Solutions for Contracting. Combines competitive pricing, robust partnerships, and an excellent reputation to ensure the success of every project we undertake.

As a dynamic provider of comprehensive solar energy solutions, Infinity Solutions for Contracting is strategically positioned to address the growing demand for clean, renewable energy in the Middle East, North Africa, and beyond. The company operates with headquarters in Cairo, Egypt, and is expanding its presence in Dubai, UAE, under the name of Infinity Smart Solar System Solution. It is poised to capitalize on the region's abundant solar irradiance, innovative photovoltaic technology, and ambitious renewable energy targets, leveraging the expertise and leadership of its founders to drive innovation and sustainability in energy storage, smart grid solutions, and solar power plant development.



***“
Clean
Energy
for Better
Future***

VISION

To lead global renewable energy innovation, driving sustainable solutions and empowering a clean energy future worldwide.

MISSION

Based on our comprehensive renewable energy expertise in delivering state-of-the-art, utility-scale projects across all clean energy technologies, providing turnkey solutions for sustainable power generation in the Middle East and Africa.

INTEGRATED EPC SERVICES AND HR SOLUTIONS

ISSS offers a global and regional experience that provides us with both the content and knowledge required to meet the client's objectives for EPC project success.

ISSS interfaces with all the suppliers, contractors, and service providers and provides coordination for technical and commercial matters of the project.

We manage our Client's projects through a regional and local structure, with specialized EPC

project teams mobilized according to specific project needs.

Our HR services includes Job Descriptions, Job Evaluation, Grading Structure, Pay ranges design, Policies & Procedures, Performance Appraisal, Behavioral Competencies and Succession Planning, and Corporate Finance Services.

Our work scope includes:



O&M (Operations and Maintenance)

Our expert team provides ongoing support to maximize the efficiency and longevity of solar installations. Also, we offer strategic guidance and technical expertise to help clients navigate complex project challenges and achieve their sustainability goals.



Management Consultant PMC or EPCM Services

As Owner's Project Management Consultant (PMC) and in EPC Joint Ventures, employing defined Divisions of Responsibility (DOR). Our expertise spans the entire project lifecycle—from concept and planning through engineering, procurement, and construction, to start-up and close-out.



EPC (Engineering, Procurement, and Construction)

We deliver turnkey solutions that encompass every aspect of project development, ensuring seamless integration and execution.

Our Expertise and Services

Infinity Co. offers comprehensive support across all phases of solar energy, wind, and Bess projects, from feasibility studies and construction to commissioning and ongoing operations and maintenance (O&M). Our team of seasoned professionals leverages over 40 years of combined experience in the solar industry, ensuring that our clients receive top-tier tech-economic and management services throughout their project's lifecycle.



“Powering Projects with Proven Expertise”



KEY DIFFERENTIATORS

Choosing Infinity Solutions for Contracting means partnering with a leader in solar energy, dedicated to delivering results with guaranteed quality and service. Our unique selling propositions set us apart and provide compelling reasons for customers to choose our services.

1 **INTEGRATED COMPREHENSIVE SUPPORT:**

We offer full technical, commercial, and logistical support on-site, ensuring seamless project execution. Our experts provide cold, backup, and hot commissioning services, optimizing solar PV systems and streamlining complex tasks for our clients.

2 **PROACTIVE PROBLEM-SOLVING APPROACH:**

Our team excels in diagnosing and repairing solar system components, including solar trackers, inverters, and photovoltaic (PV) modules. We proactively address issues during execution and Operations & Maintenance (O&M), applying retrofits to maintain optimal performance.

3 **COMMITMENT TO QUALITY AND SAFETY:**

We adhere to the highest Health, Safety, and Environmental (HSE) standards, ensuring precision in every project. Our services adhere to industry benchmarks, including IEC standards for solar installations.

4 **PROVEN TRACK RECORD:**

Our extensive experts work history showcases our ability to handle diverse opportunities successfully. We have built a reputation for excellence through strong partnerships and outstanding service performance, making us a trusted partner in the solar industry.

5 **COMPETITIVE PRICING:**

Our cost-effective solutions help customers reduce costs while achieving their sustainability goals, and project budgets from initial design and engineering to final installation.



1,150 MW
Power

300MWh
Energy Storage

8
Projects

2
Countries

GLOBAL PRESENCE

Infinity has established a dominant presence in Egypt with all registration needed, where we've successfully implemented numerous solar power projects across diverse sectors. Our extensive experience in navigating Egypt's unique environmental and regulatory landscape has positioned us as a leader in the country's renewable energy market.

From our headquarters in Cairo, we've expanded our reach to other parts of the Middle East and North Africa (MENA) region, including a strategic branch in Dubai, UAE, operating under the name Infinity Smart

Solar System Solution.

While our primary focus remains on Egypt, our team's diversified experience extends to various African countries, enabling us to adapt our world-class solutions and resourceful network to different market needs. This strong Egyptian foundation, combined with our wider regional expertise, allows Infinity to offer unparalleled solar solutions with the efficiency and reliability of a local industry leader backed by international know-how.

OPERATIONAL STRUCTURE

This structure allows to combine local knowledge with global best practices, ensuring tailored solutions that meet the unique needs of each project and market. By fostering a collaborative environment between our In-Country Offices and Corporate Support, we maintain agility in our operations while leveraging our collective expertise to drive innovation and excellence in every project we undertake.

KEY FEATURES OF OUR OPERATIONAL STRUCTURE:

1. Decentralized Expertise:

In-Country Offices are responsible for:

- Project Management
- Project Engineering
- Construction Management
- Plant Operations and Maintenance
- Specialized technical expertise

2. Centralized Support:

Our Business Unit of Operations provides:

- Functional leadership
- Project Management and Construction assistance
- Training and development programs
- Strategic staffing support



FUTURE EXPANSION PLANS

Infinity aims to grow steadily in the Middle East and African renewable energy, solar, wind and BESS markets. We're enhancing our technologies to serve diverse environments and considering new offerings like energy management systems. By forming industry partnerships, we'll strengthen our project capabilities. Our expansion leverages our Egyptian expertise alongside international standards, supporting more businesses in adopting clean energy. Infinity is dedicated to increasing solar power's role in creating a sustainable energy future.

GLOBAL OPERATIONAL STRUCTURE

Infinity Solutions for Contracting operates as an integrated matrix project organization, leveraging a network of In-Country Offices supported by a robust Corporate Support structure. This model enables us to deliver exceptional service across diverse markets while maintaining consistent quality and efficiency.



SERVICES

EPC (ENGINEERING, PROCUREMENT, AND CONSTRUCTION)

Infinity delivers cutting-edge EPC solutions for utility-scale and commercial solar photovoltaic (PV) projects. Our turnkey approach encompasses the entire project lifecycle, from initial site assessment and system design to final grid integration. Leveraging state-of-the-art technologies such as bifacial modules, single-axis trackers, and advanced inverter systems,

we optimize energy yield and system performance. Our expertise in Balance of System (BOS) components, including combiner boxes, switchgear, and SCADA systems, ensures seamless integration and efficient operation.

By partnering with Infinity for your EPC needs, you benefit from:

- Optimized LCOE (Levelized Cost of Energy) through strategic design and component selection
- Reduced project risks with our comprehensive quality control and HSE protocols
- Accelerated project timelines facilitated by our streamlined procurement and construction processes
- Enhanced long-term performance through rigorous testing and commissioning procedures
- Simplified project management with a single point of responsibility for all EPC phases

SCOPE OF WORK

Our comprehensive EPC services include:

- Electrical, mechanical, and civil works adhering to international standards (IEC, IEEE, NEC)
- Custom project management plans aligned with client and lender requirements.
- HSSE services and audits compliant with ISO 45001 and ISO 14001
- Site mobilization and logistics management
- Installation of cutting-edge solar technologies:
 - Single-axis and dual-axis trackers
 - String and central inverters
 - MV/LV transformers and switchgear
- DC and AC electrical work installations
- Rigorous testing and commissioning protocols for all plant systems
- Supply chain management and logistics support
- Resolution of punch list and defect list items
- Provision of specialized manpower across all project phases
- Support in achieving Provisional Acceptance Certificate (PAC) and Final Acceptance Certificate (FAC)

Our Approach

- **Quality-Centric Execution:**
Implementing ISO 9001 certified processes for consistent quality delivery.
- **Technology Integration:**
Utilizing advanced design software and monitoring systems for optimal performance.
- **Collaborative Partnership:**
Working closely with clients to exceed project goals and ROI expectations.
- **Safety-First Culture:**
Enforcing HSE practices to ensure
- **Continuous Improvement:**
Regularly updating our methodologies based on industry best practices and lessons learned



MANAGEMENT CONSULTANT PMC OR EPCM SERVICES

We specialize in providing comprehensive management consultant services, specifically tailored for Project management consultancy (PMC) and engineering, procurement, and construction management (EPCM). Our expert team is dedicated to delivering exceptional project oversight, ensuring that budgets and schedules are meticulously developed and adhered to. We manage performance through detailed reporting and proactive action to guarantee that program and project objectives are met efficiently.

Our services include the establishment of robust project execution plans that incorporate Key Performance Indicators (KPIs), ensuring alignment with the As Sold goals of Safety, Quality, and Profitability. We oversee all phases of project planning and execution, encompassing engineering,

BENEFITS INCLUDE:

- Enhanced Project Efficiency
- Improved Safety and Quality
- Informed Decision-Making
- Financial Management
- Comprehensive Support

SCOPE OF WORK

1 ***Budget Development :***
Creating detailed budget plans that align with project goals and financial constraints.

2 ***Schedule Management :***
Developing and maintaining project schedules to ensure the timely execution of all activities.

3 ***Performance Management :***
Monitoring project performance against established KPIs and implementing corrective actions as needed.

4 ***Engineering Oversight :***
Managing engineering activities to ensure compliance with specifications and quality standards.

5 ***Procurement Management :***
Overseeing the procurement process to secure necessary materials and services within budget and on schedule.

6 ***Project Controls :***
Implementing project control systems to track progress

OUR APPROACH

- Collaborative Planning: Aligning with clients on goals and KPIs from the start.
- Proactive Risk Management: Identifying and mitigating risks early.
- Effective Communication: Keeping stakeholders informed and engaged.
- Safety and Quality Focus: Ensuring compliance with the highest standards.
- Continuous Improvement: Adapting to evolving needs for successful outcomes.





O&M (OPERATIONS AND MAINTENANCE)

Infinity delivers comprehensive O&M services for solar PV plants, optimizing performance and longevity. We integrate predictive analytics, IoT monitoring, and proactive maintenance to maximize energy yield and minimize downtime. Our expertise in performance ratio optimization and degradation analysis enhances plant efficiency and operational lifespan.

BENEFITS INCLUDE:

- Increased plant availability and reduced performance ratio degradation
- Optimized OPEX through predictive maintenance
- Enhanced grid compliance
- Improved financial performance via data-driven strategies

SCOPE OF WORK

- HSSE management (ISO 45001, ISO 14001 compliant).
- Technical, economic, and managerial oversight.
- Multi-tiered maintenance: preventative, corrective, and predictive.
- Customized O&M manuals and management plans.
- Comprehensive system testing: trackers, inverters, PV modules, switchgear, SCADA.
- Continuous performance monitoring and KPI achievement.
- Spare parts and warranty management.
- Advanced PV module cleaning techniques.
- Logistics management and skilled personnel deployment.

OUR APPROACH

- Data-driven operations using advanced analytics
- Proactive, condition-based maintenance
- Continuous improvement and industry benchmarking
- Customized reporting and actionable insights
- Integrated asset management for long-term value preservation



CONSULTATION AND OWNER ENGINEER SERVICES:

Infinity offers expert consultation and owner-engineering services across the renewable energy sector. Our team of seasoned professionals provides comprehensive support throughout project life cycles, from initial feasibility studies to post-construction optimization. Leveraging cutting-edge simulation tools and industry best practices, we ensure your renewable energy projects are optimized for performance, compliance, and long-term profitability.

BENEFITS INCLUDE:

- Maximized energy yield and ROI through data-driven design optimization
- Reduced project risks via thorough due diligence and expert oversight
- Streamlined grid integration and compliance with regulatory requirements
- Enhanced operational efficiency through continuous performance analysis

SCOPE OF WORK

1 Feasibility Studies and Layout Optimization:

Site-specific assessments and modeling for optimal project layout and energy yield.

3 Owner's Engineer Role:

End-to-end project advocacy, overseeing design, construction, and commissioning for quality and compliance.

2 Energy Yield Assessments:

High-fidelity simulations accounting for local conditions, ensuring accurate production estimates.

4 Technical Due Diligence:

Thorough review of project documentation, contracts, and designs to mitigate risks and maximize returns.

5 Pre-feasibility Power System Studies:

Analysis of grid integration, stability, and potential challenges to guide viable solutions.

7 Fault Identification and Resolution Support:

Root cause analysis and corrective action plans for optimal system performance.

9 Performance Review and Data Analysis:

Continuous monitoring and trend analysis to identify optimization opportunities.

11 Plant Auditing:

Comprehensive assessment of operational practices with recommendations for reliability improvements.

6 Construction Monitoring:

On-site verification of adherence to specifications and safety protocols for seamless execution.

8 Post-construction Certification Support:

Guidance through certification processes, ensuring regulatory compliance.

10 Grid Connection Support:

Navigation of grid application processes and review of interconnection requirements.

OUR APPROACH

- Data-Driven Decision Making
- Holistic Project View
- Proactive Risk Management
- Continuous Improvement
- Client-Centric Solutions

ENGINEERING AND DESIGN CONTROL

Our approach involves identifying and documenting project engineering inputs as engineering criteria in the Design Basis document. We collaborate closely with engineering partners or subcontractors to ensure that all requirements, including those specific to renewable technologies such as solar, wind, and biomass, are reviewed for adequacy and compliance with regulatory standards. This collaboration allows us to develop a detailed scope of work and deliverables early in the project, facilitating a smooth execution process.

BENEFITS INCLUDE:

- Comprehensive Planning
- Expert Collaboration
- Regulatory Compliance
- Efficient Execution

SCOPE OF WORK

- Design Basis Development: Documenting engineering criteria, parameters, and regulatory requirements specific to renewable energy technologies.
- Engineering Review: Ensuring all design inputs, including those for energy efficiency and sustainability, are adequate and compliant.
- Partner Collaboration: Working with engineering partners or subcontractors to execute detailed design work for renewable energy systems.
- Scope and Deliverables Planning: Establishing a comprehensive list of deliverables and a clear scope of work at the project's outset, including renewable energy-specific components.
- Technical Clarifications: Conducting engineering design reviews and technical clarifications to maintain project schedules, particularly for solar, wind, and other renewable installations.





AUDIT

We provide comprehensive audit services to ensure project excellence and compliance. Our independent audit team conducts periodic reviews, adhering to stringent Project Review Board procedures, to verify adherence to the Project Execution and Management Plan (PEMP) and assess overall program effectiveness.

SERVICE BENEFITS:

- Ensures compliance with project standards and regulations.
- Identifies areas for process improvement and efficiency gains.
- Mitigates risks through early detection of potential issues.
- Enhances project transparency and accountability.
- Builds client trust through demonstrated commitment to quality.

SCOPE OF WORK

- Conduct periodic audits and project reviews
- Assess compliance with all aspects of the PEMP.
- Evaluate the overall effectiveness of project management programs
- Perform audits using independent, non-involved personnel.
- Present audit findings to relevant management for review.
- Develop action plans based on audit results.
- Monitor implementation of corrective measures.
- Provide comprehensive audit reports to stakeholders.



INDUSTRIES

INFRASTRUCTURE AND RENEWABLE ENERGY POWER PLANT, INCLUDING SUBSTATIONS 220 AND 500 KV

INDUSTRIES WE SERVE

Infinity's expertise spans across various sectors, providing tailored renewable energy solutions to meet diverse industry needs:

We partner with government entities to develop and implement large-scale renewable energy projects that align with national sustainability goals. Our services support policy-makers in crafting effective energy strategies, assist in the development of public-private partnerships, and help optimize government facilities for energy efficiency and reduced carbon footprint.

PARTNERS

Infinity Solutions for Contracting has established strong collaborations with industry-leading partners to deliver comprehensive and innovative renewable energy solutions.



OUR NETWORK OF STRATEGIC PARTNERSHIPS INCLUDES:

- **Technology Leaders:**

We work closely with global giants like Siemens Energy and Schneider Electric to incorporate cutting-edge technologies into our projects.

- **Specialized Equipment Providers:**

Partnerships with companies such as Soltec and TSK allow us to offer state-of-the-art solar tracking and power electronics solutions.

- **Local Expertise:**

Our collaboration with Elsewedy Electric brings valuable regional knowledge and manufacturing capabilities.

- **Niche Specialists:**

We leverage the expertise of partners like GreenPowerMonitor for advanced monitoring systems, and HT for specialized electrical components.

- **Industry Innovators:**

Partnerships with companies like Power Electronics and Enviromena keep us at the forefront of renewable energy advancements.

These strategic alliances enable Infinity to provide end-to-end solutions, combining global expertise with local insights to deliver optimized renewable energy projects for our clients.

NOTABLE PROJECTS

INFINITY HAS SUCCESSFULLY COMPLETED FOUR SIGNIFICANT SOLAR PROJECTS:

- 64 MWp Alcazar Energy - Benban, Aswan, Egypt.
- 64 MWp Delta Solar Energy - Benban, Aswan, Egypt.
- 64 MWp Aten Solar Energy - Benban, Aswan, Egypt.
- 64 MWp Horus Solar Energy - Benban, Aswan, Egypt.
- 560 MW Abydos solar power plant as Owner Engineer, Komombo, Aswan, Egypt.
- AIS 220kV/33kV Substation as Owner engineer, Kom Ombo, Aswan, Egypt.
- Design review for 560 MWp Abydos solar power plant Kom Ombo, Aswan, Egypt.
- Design review for AIS 220kV/33kV Substation Kom Ombo, Aswan, Egypt.
- 200 MW ACWA Solar Project- Independent Engineer- Kom Ombo- Aswan, Egypt.
- Feasibility study of BESS integration with Abydos Solar plant, Aswan, Egypt.



QUALITY EXCELLENCE

At Infinity, quality and safety are paramount in every aspect of our operations. We implement rigorous quality management plans and policies tailored to each project, ensuring consistent excellence across all our services. Our commitment to high-quality standards and HSE (Health, Safety, and Environment) practices is evident in every phase of our work, from initial planning to ongoing maintenance.

We provide comprehensive services, including electrical, mechanical, and civil works, all executed with unwavering attention to quality and safety. Our project management plans are carefully placed to meet and exceed client and lender requirements. In O&M services, we offer a full spectrum of maintenance approaches – preventative, corrective, and predictive – all governed by strict quality controls.



OUR QUALITY EXCELLENCE EXTENDS TO:

- HSSE services and audits.
- Precision installation of trackers and inverters.
- Rigorous testing and commissioning protocols.
- Optimized O&M activities and procedures.

Infinity's dedication to quality ensures reliable, efficient, and safe renewable energy solutions for all our clients.

ISO-Certified:

Our dedication to quality, safety, and environmental responsibility is backed by our certifications in ISO 9001, ISO 45001, and ISO 14001. These certifications demonstrate that we adhere to internationally recognized standards for quality management, occupational health and safety, and environmental sustainability.

- **IOS 14001:2015**
- **IOS 9001:2015**
- **IOS 45001:2018**

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