

AI CLOUD TECH

Solar EPC Solutions & Infrastructure Excellence

Delivering engineered solar solutions that optimize energy efficiency and reduce environmental impact.



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AI CLOUD TECH

AI Cloud Tech is a leading solutions provider in solar EPC (Engineering, Procurement & Construction), delivering end-to-end solar infrastructure services with a strong focus on precision engineering, safety, and long-term performance.

We specialize in high-accuracy piling works, robust module mounting structures (MMS), efficient solar module installation, and complete AC/DC electrical execution. Our experienced execution teams ensure every project is delivered to the highest technical and quality standards.

Our Core Services

1. Piling Works

AI CLOUD TECH deploys advanced hydraulic and robotic piling machinery to achieve accurate pile depth, alignment, and structural stability. Each pile undergoes stringent testing for verticality, torque resistance, and earth resistance, ensuring compliance with engineering and site-specific standards.

Key Highlights:

- High-precision pile alignment
- Advanced machinery deployment
- Structural and safety compliance



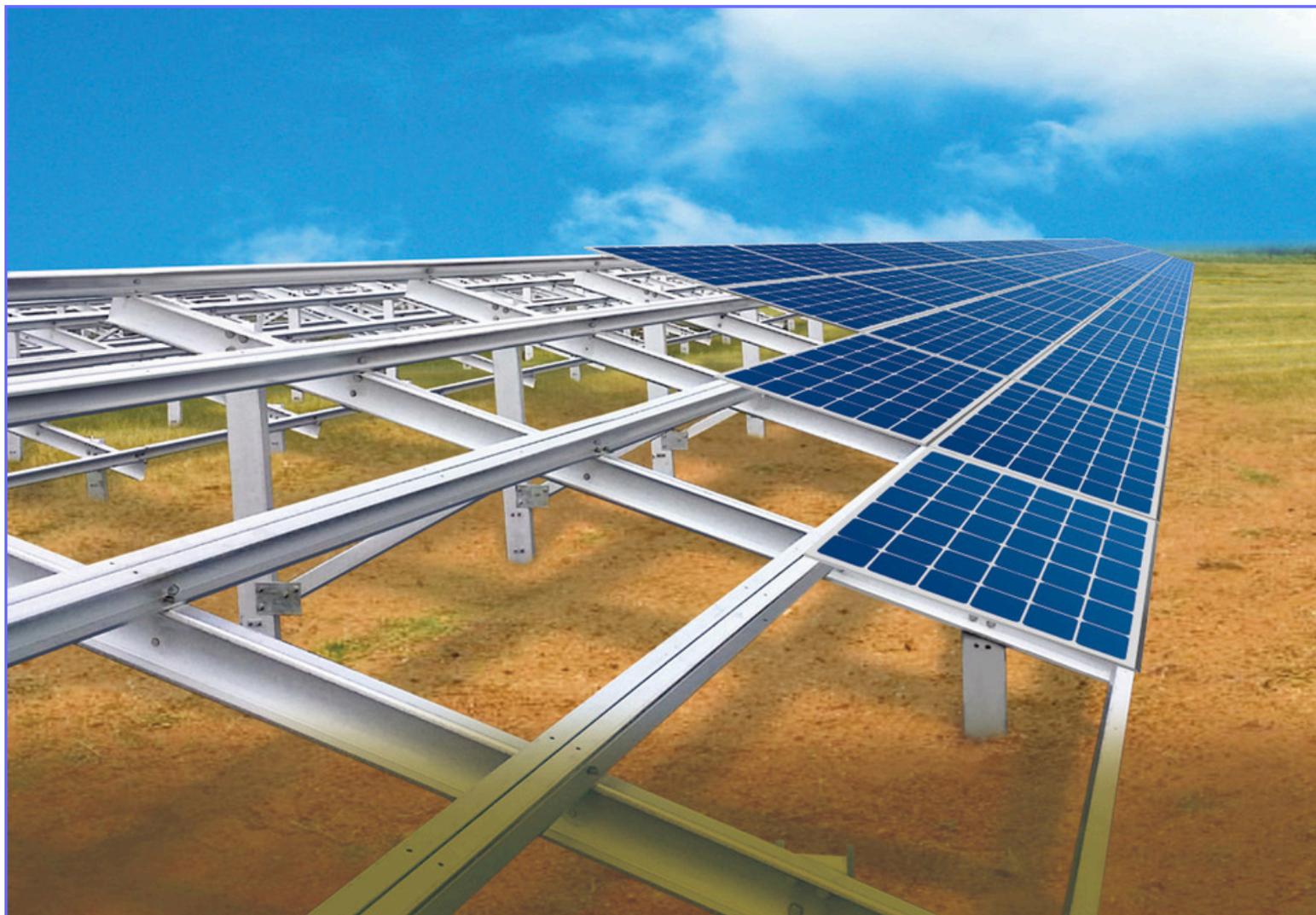
Precision Foundations for Solar Infrastructure

2.MMS (Module Mounting Structure) Installation

We fabricate and install corrosion-resistant Module Mounting Structures (MMS) designed to withstand wind loads, environmental stress, and long-term exposure.

2.1 Solar MMS Tracker Installation

We provide advanced Solar MMS Tracker Installation systems engineered to maximize solar exposure. With single-axis and dual-axis tracking, integrated control systems, and expert execution



Strong, Durable & Weather-Resistant Structures

3. Solar Module Installation

Our skilled technicians perform fast and accurate solar module installation, following optimized string planning, precise tilt-angle alignment, and strict safety protocols. Anti-static handling procedures are used to protect solar modules and maintain performance integrity.

Key Highlights:

- Optimized string planning
- Accurate tilt & alignment
- Safety-first installation approach



Efficient, Safe & Error-Free Execution

4. AC & DC Electrical Works

AI CLOUD TECH provides complete AC & DC electrical solutions, including DC stringing, earthing, inverter installation, cable tray routing, and grid synchronization. All electrical works are executed in compliance with IEC standards and industry safety norms.

Key Highlights:

- DC & AC wiring and stringing
- Inverter & earthing systems
- Grid synchronization support
- Earthing & lightning protection systems



End-to-End Electrical Integration

Focus on Innovation & Technology:

Encourages the adoption of advanced solar technologies, energy storage solutions, and smart monitoring systems to maximize efficiency and ROI.

Team Building & Empowerment:

Builds and mentors high-performing engineering, project management, and operations teams, fostering a culture of ownership, collaboration, and excellence.

Client-Centric Approach:

Prioritizes client needs by delivering customized solar solutions, transparent communication, and long-term partnerships built on trust.

Regulatory & Compliance Leadership:

Ensures all solar projects comply with local regulations, grid standards, and safety norms, minimizing risk and ensuring smooth approvals.

Proven Track Record:

Leads the successful execution of multiple rooftop, ground-mounted, and utility-scale solar projects with consistent performance and customer satisfaction.



Director's Leadership & Vision

Visionary Leadership:

The Director provides clear strategic direction, driving the company's mission to accelerate the adoption of clean, reliable, and sustainable solar energy solutions.

Deep Industry Expertise:

With extensive experience in renewable energy and solar project development, the Director brings strong technical insight into project planning, execution, and long-term performance.

End-to-End Project Oversight:

Actively leads solar projects from feasibility and design through installation, commissioning, and operations, ensuring quality, safety, and timely delivery.

Commitment to Sustainability:

Champions environmentally responsible practices and aligns every solar project with global sustainability goals and carbon reduction initiatives.

Strong Decision-Making & Accountability:

Demonstrates decisive leadership in high-value solar investments, balancing innovation, risk management, and financial viability



Testing & Commissioning Expertise (Solar Projects)

Comprehensive Pre-Commissioning Checks :

Detailed inspection of modules, MMS, inverters, DC/AC cabling, earthing, and BOS components prior to energization.

String & Electrical Testing :

Execution of string voltage, polarity, continuity, insulation resistance (IR), and earth resistance tests to ensure electrical safety and system integrity.

Inverter & Power Conditioning Testing :

Verification of inverter configuration, protection settings, synchronization, efficiency, and fault response as per OEM and grid requirements.

Grid Synchronization & Protection Testing :

Anti-islanding tests, relay coordination, and protection checks to ensure seamless and compliant grid integration.

Performance Ratio (PR) & Generation Validation :

Performance testing to validate energy generation, PR, and output against design and contractual benchmarks.

SCADA & Monitoring System Commissioning :

Testing and commissioning of SCADA systems, data loggers, communication networks, and remote monitoring platforms for real-time performance tracking.

Safety & Compliance Assurance :

Strict adherence to IEC, IS, IEEE, and local regulatory standards to ensure safe operation and long-term reliability.

Documentation & Project Handover :

Submission of complete testing reports, commissioning certificates, as-built drawings, and O&M manuals.

Defect Identification & Rectification :

Early detection of installation or performance issues with timely corrective actions before final acceptance.

Early-Life Support & Smooth Handover :

On-site and remote support during initial plant operation to ensure stable performance in the early generation phase.

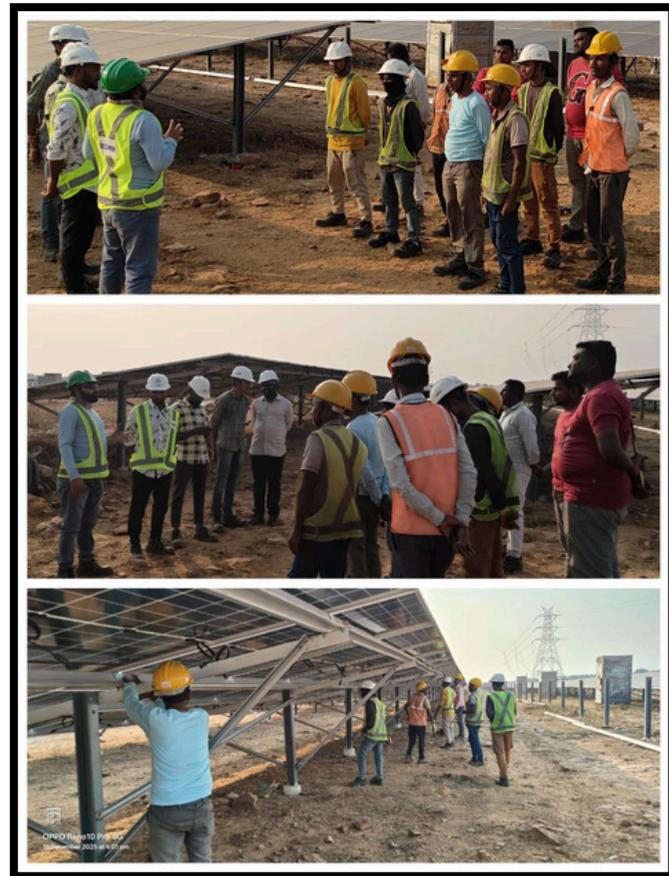
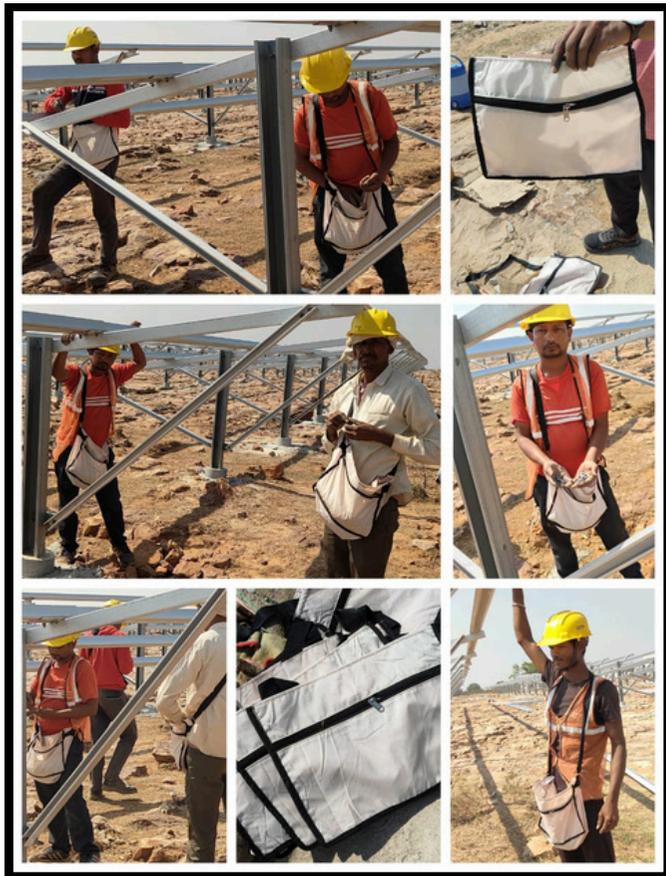
End-to-End AC & DC Electrical Execution

Our Valued Clients



AMARA RAJA | ENERGY & MOBILITY

FIELD EXECUTION SNAPSHOTS



Why Choose AI CLOUD TECH?

Grade 'A' Contractor Licence :

Authorized and qualified to execute large-scale solar and electrical infrastructure projects in compliance with statutory norms.

Experienced Solar EPC Execution Team

Skilled engineers, supervisors, and technicians with hands-on experience across utility-scale and commercial solar projects.

End-to-End EPC Capabilities :

Single-point execution covering civil, structural, mechanical, electrical, testing, and commissioning works.

Precision Engineering & Quality Assurance :

Strong focus on engineering accuracy, material quality, and process compliance at every project stage.

On-Time Project Delivery :

Proven ability to deliver projects within committed timelines through disciplined planning and execution.

Safety-Driven Operations :

Strict adherence to safety protocols, PPE compliance, and site safety standards to ensure zero-incident execution.

Standards & Compliance Focused :

All works executed as per IEC, IS, and applicable grid and utility standards.

Scalable & Cost-Effective Solutions :

Capable of handling projects of varying capacities with optimized cost and resource efficiency.

Client-Centric Execution Approach :

Transparent communication, customized solutions, and long-term relationship focus.

Reliable Partner for Solar Infrastructure

Trusted by reputed developers and EPC players for consistent quality and performance.