

LENDER'S ENGINEERING SERVICES



CEA provides unrivaled insight into solar and storage projects around the world



CEA team members discuss their findings at a major solar project.

A trusted advisor to the solar industry's top developers, IPPs, and EPCs for over a decade, CEA is the leading source of independent guidance and technical due diligence for lenders engaged in financing solar projects.

Founded in 2008, we've been a major player in the industry since the inception of utility scale projects and our experience is second to none. CEA's technical and commercial expertise - in addition to our understanding of project finance - has made us the leading provider of reliable and insightful advice throughout the lifecycle of solar and storage projects.

As the industry continues to grow, CEA is a source of information that an increasing number of developers, lenders, and investors depend on. The quality and reliability of CEA's work has put us at the center of many of the largest solar projects built around the globe and our Independent Engineering (IE) reports have been thoroughly vetted by some of the world's leading lenders.

We have an extensive supply chain network in Asia including close connections with more than 100 Chinese module suppliers. We've also completed over 350 factory audits and as a result, have a unique ability to establish benchmarks for quality with suppliers to minimize risk and optimize investment returns.

With a physical presence in 13 countries including a strategic headquarters in Shanghai, CEA's experienced team has more than 1000 years of combined experience in the solar and storage industry. Our qualifications include: PEs, BSME, MSEE, BSEE, PhD, NABCEP PV Inspector, LEED AP, Six Sigma Black Belt, ITC Level I Thermographer, trained Lead Auditors ISO 9001:2015, Professional Installer for Low Power PV plants, accredited PV Installers to the EU market, certified PV System Expert, and Contributor for IEC Committee TCB2.



CEA's Independent Engineering Services for Lenders

A VOICE OF EXPERIENCE: Examples	
CLIENT 1: Scope:	Large capital investment firm 17 projects totaling 68 MW
CLIENT 2: Scope:	Major North American bank Factory Audit
CLIENT 3: Scope:	Small capital investment firm 7 projects totaling 5 MW



CEA inspects every aspect of a solar project to provide lenders with everything they need to about their investment.

PROJECT FINANCING PHASE

- Energy and resource estimation
- Technical due diligence
- Site assessment and design review
- Curtailment and electrical review
- Commercial and O&M Review

OPERATIONS PHASE

- Operations Monitoring
- Operational energy assessment
- Power performance testing
- Variance analysis

CONSTRUCTION PHASE

- Construction monitoring
- Procurement oversight
- Drawdown report
- Final inspection and completion review

PROJECT M&A PHASE

- Sell or buy side technical advisor
- Technical review of operating assets
- CAPEX and OPEX review
- Portfolio review
- Financial review

As technical advisors, we provide procurement and investment confidence through risk mitigation to key stakeholders in solar and storage projects worldwide.

