

SOLAR

Ulteig

In an industry defined by rapid change and regulatory hurdles, solar developers, contractors and owners face unique and complex challenges.

Ulteig supports the utility-scale generation market, leveraging gigawatts of solar experience and a comprehensive understanding of the entire development process, from concept to energization and asset management. We provide comprehensive solar services to help our clients navigate challenges, proactively identify and mitigate potential risks and maximize value for successful project outcomes.

11 GW-AC (14 GW-DC) EOR SOLAR DELIVERED | **#8 2024 ENR SOLAR RANKING**

SOLAR SERVICES OVERVIEW

Our expertise spans a wide range of services, offering comprehensive support at every stage of your project.

DEVELOPMENT

- Transmission capacity prospecting and injection studies
- Pre-injection evaluations
- Energy market modeling
 - Preliminary and advanced locational marginal pricing (LMP)
 - Curtailment studies with binding constraints
- Interconnection applications, studies and models support (PSSE, PSLF, PSCAD, Aspen and others)
- Environmental desktop and field analysis
- Permitting support
- Land acquisition
- Land surveying (boundary, ALTA, topographic)
- GIS interactive web maps planning, implementation and data collection
- Transmission line routing and studies
- Preliminary site layouts and optimization
- Equipment lead time and specifications analysis
- Project specifications and design standards development
- Technical bid support

PRE-CONSTRUCTION

- 10%-30% multi-disciplinary design and engineering
 - Pile design
 - Hydrology/Hydraulic analysis
 - Grading
 - Reactive power compensation sizing studies
- PV and High-Voltage (HV) design
- Geotechnical desktop
- Equipment selection and specification

CONSTRUCTION

- Multi-disciplinary Issued for Construction (IFC) design and engineering
 - Civil
 - Structural
 - Electrical (collection/PV, substation, transmission, system studies including NERC support and PSSE/PSLF modeling)
- System integration, SCADA networking and plant control
- Environmental monitoring
- Survey (legal and construction staking)

AUTOMATION & INTEGRATION

- Substation SCADA
- Plant SCADA/EMS
- ISO Metering
- Commissioning
- System Integration

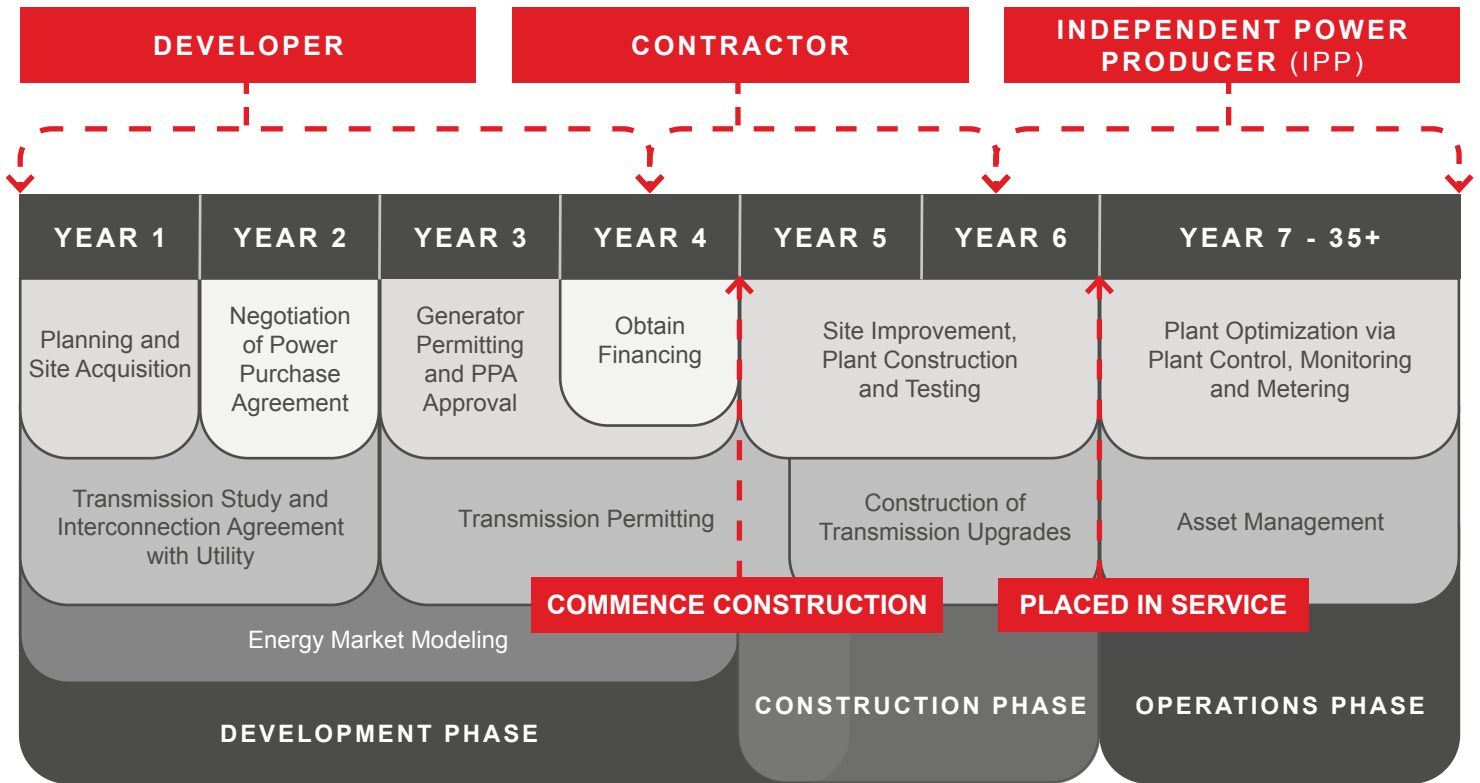
PROJECT DELIVERY AND OWNER'S REPRESENTATIVE

- Project/portfolio and Construction Management
 - Project/portfolio development
 - Cost
 - Scheduling
 - Quality and risk management
 - Communication
 - Safety
- Interconnection/commissioning support
 - (CA)ISO metering and RIG engineering/management
 - System integration
- Owner's Engineering (OE) and alternate delivery

ASSET MANAGEMENT

- Meter calibration
- Operating system analysis
- Repowering
- NERC Compliance
- Plant and equipment optimization

WORKING ACROSS THE PROJECT LIFECYCLE



ADVANCED TECHNOLOGY OFFERINGS



ENERGY MARKET MODELING
Advanced tools and expert analysis to optimize asset utilization, reduce investment risks and identify revenue opportunities.



SITESENSE®-SCADA/EMS
SCADA-based hardware, software and integration solution for utility-scale renewable energy sites, with 35+ GW of solar and BESS installed.



PINPOINT™
Project management GIS tool designed to optimize data management, communication and more.

LEVERAGE OUR EXPERTISE FOR SOLAR SUCCESS

Ulteig is a trusted partner in the solar energy sector, offering multidisciplinary expertise and innovative solutions tailored to meet the unique challenges of your projects. Our commitment to excellence and sustainability drives us to deliver superior results that maximize project value and efficiency.

Join us in advancing solar energy for a sustainable future.
Scan the QR to connect with us today.

