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EPC Services

Engineering | Procurement | Construction

WATTCROP
SOLAR PV | WIND | ENERGY STORAGE

www.wattcrop.com
info@wattcrop.com

From concept to commissioning, Wattcrop delivers high-performance EPC services tailored to complex energy infrastructure.

We specialize in turnkey solutions for utility-scale solar farms, industrial energy systems, and other renewable assets—driven by deep technical expertise, engineering excellence, and an unwavering commitment to quality.

Design & Engineering Capabilities

Our in-house engineering team provides end-to-end technical design services that ensure the safety, efficiency, and performance of every project.



- ➔ Optimized PV plant layout and site configuration
- ➔ Energy yield simulations and performance modeling
- ➔ Foundation design and structural analysis
- ➔ Module string sizing and electrical layout planning
- ➔ DC voltage drop and source circuit ampacity analysis
- ➔ AC/DC arc flash assessments and safety calculations
- ➔ Inverter, transformer, and MV system sizing
- ➔ Load flow and reactive power compensation studies
- ➔ Cable ampacity calculations using Neher–McGrath method
- ➔ Medium voltage collection system and substation design
- ➔ Generation tie-line (Gen-Tie) routing and grid interconnection
- ➔ Constructability reviews and value-engineering solutions



Procurement

We source and manage every component of your system with cost-efficiency, quality assurance, and trusted supplier partnerships.



- ➔ Sourcing from tier-1 manufacturers
- ➔ Equipment selection (PV modules, inverters, transformers, etc.)
- ➔ Supply chain coordination and logistics
- ➔ Warranty management and cost control

Construction

We bring projects to life with efficient execution, technical oversight, and full compliance—delivering on time, on budget, and to the highest standards.



- ➔ Civil works and mechanical installation
- ➔ Electrical integration and grid connection
- ➔ Project management and on-site supervision
- ➔ Commissioning, testing, and quality assurance

Construction Excellence

At Wattcrop, we don't just build—we deliver fully integrated energy assets with precision, quality, and long-term value in mind. Whether executing large-scale solar parks or complex industrial interconnections, our teams ensure that every element is completed on time, on budget, and beyond expectations.



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