

# CAPABILITIES

## Development

- Wind resource assessment using on-site and off-site data, including MCP models
- Technical studies, including shadow flicker, ice throw, sound, and wake loss
- On-site data collection using LiDAR
- On-site sound studies
- Terrain-based wind flow modeling
- Wind resource map development
- Full permitting studies, including planning, zoning, local, state, and federal
- 3D site modeling
- Shovel ready feasibility studies
- Detailed turbine production models, including auditable Monte Carlo-based exceedance
- Financial risk assessment and modeling
- In-house legal for contracting, compliance, and permitting

## Finance

- Project finance
- Fleet finance
- Non-recourse debt structures
- Tax equity structures
- Tax equity safe harbor strategies
- Technical due diligence & technical consulting



## Engineering

- Interconnection design under IEEE 1547
- Interconnection under PURPA as QF
- Project low-voltage and high-voltage electrical engineering
- Protection and controls engineering
- SCADA and ICS design compliant with FERC/NERC/NIPP
- Tower internal system design
- Tower design
- Foundation design
- Civil design
- Critical lift planning
- Rigging design
- Whole system engineering and optimization
- Drafting, 2D and 3D

## Procurement

- Turbine procurement
- International shipping management, including imports/exports
- Tower procurement, including manufacturing oversight
- Tower internal procurement
- BOP equipment and material procurement

## Construction

- Site construction, planning, and management
- Site safety, OSHA 1910, 1926, MSHA Part 46 Surface Mining
- Advanced scheduling / linear scheduling
- Civil construction
- Foundation construction
- Low-voltage electrical construction
- High-voltage electrical construction
- HV electrical equipment installation
- Heavy rigging and crane operation
- Complete turbine installation

## Operations

- Real-time monitoring
- Monthly performance management and reporting
- Monthly billing and customer reporting
- BOP warranty and maintenance operations
- Production monitoring and validation
- Emergency response

## Other

- Internal research and development
- Consulting and expert testimony for “special situations” in utility-scale wind projects
- Tower rescue training and advanced rope rescue training
- Accredited Emergency Medical Technician (EMT) training and certification
- Accredited Advanced Emergency Medical Technician (AEMT) training and certification
- Licensed Terminal Distributor of Dangerous Drugs / EMT / AEMT operations
- Wind energy course development for all education levels