AREVON

Streamlining Utility-Scale Solar and Energy Storage Project Development and Engineering

1 **Constraint Identification | Risk Register**

- Geotechnical and hydrology reports
- Topography and ALTA survey
- Lease agreements
- Interconnection and environmental studies
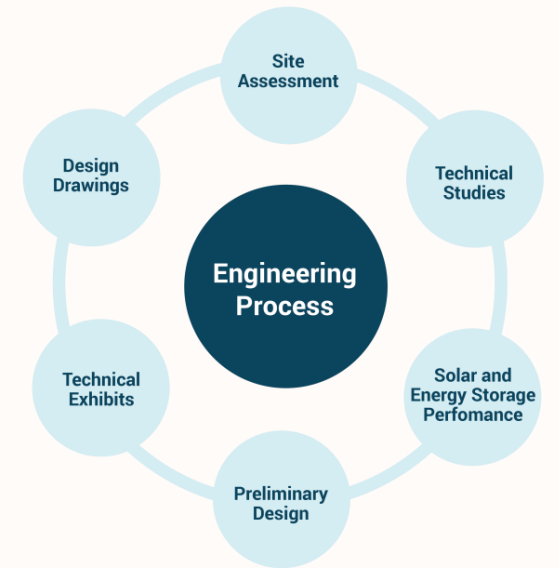- U/G utility locates

2 **Scenario Optimization | Custom Python Scripts and Tools**

- Run DC tables and capacity scenarios
- Identify optimal GCR
- Run civil optimization
- Communicate results on CAD and ArcGIS/FELT
- Export BOM based on layout
- Run production estimates
- Load flow and HV specifications

3 **Financial Modeling | Multi-Scenario Screening**

- Vet the financial expectations of up to 26 scenarios
- Identify and focus on design constraints to yield the greatest internal rate of return (IRR)
- Enable informed decision making on project next steps

Engineering Process

- Site Assessment
- Technical Studies
- Solar and Energy Storage Perfomance
- Preliminary Design
- Technical Exhibits
- Design Drawings

~80%+ **Development-to-Build Ratio from Arevon's Engineering Process**

Presenter

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About Arevon

Arevon is a U.S. energy leader committed to powering America with affordable, reliable, and secure homegrown energy. Learn more at arevonenergy.com.