

Proyecto solar fotovoltaico de 100 MW + Sistema de almacenamiento de energía en baterías



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Este perfil describe una prometedora oportunidad de inversión en un importante proyecto de energías renovables en Bulgaria, centrado en una planta solar fotovoltaica (FV) a escala comercial con capacidad de cogeneración mediante un sistema de almacenamiento de energía en baterías (BESS).

El proyecto, designado "**Proyecto 1**" es un desarrollo energético a gran escala centrado en un **instalación BESS (Sistema de Almacenamiento de Energía en Batería) de 100 MW/400 MWh**. Incluye un componente solar fotovoltaico con una capacidad básica de **100 MWp** que es altamente escalable gracias a la capacidad reservada de la red, ofreciendo una expansión potencial de hasta **160 MWp**. El proyecto está situado en una gran extensión de terreno bajo un contrato de arrendamiento a largo plazo e incluye una completa documentación técnica y de desarrollo.

Detalles técnicos y de capacidad

Suelo e infraestructuras

- **Superficie total del terreno:** \$ 956,000~m².
- **Propiedad/Arrendamiento:** El terreno es propiedad de la Sociedad instrumental (SPV) y está garantizado mediante un **contrato municipal de arrendamiento de 35 años**.
- **Topografía:** Terreno llano con una pendiente del 1-8% hacia el sur, lo que garantiza que no haya obstrucciones de visibilidad.
- **Diseño:** Estudios técnicos y diseños para un **sistema de seguimiento de un eje** están disponibles.
- **Cogeneración:** El emplazamiento ofrece una **Opción BESS** para optimizar la tarificación en horas punta y dispone de **infraestructura de gas cercana** para posibles soluciones híbridas.

Conexión a la red

El proyecto ofrece opciones flexibles y seguras de conexión a la red, con el derecho de paso incluido en el precio.

- **Subestación in situ:** A **subestación de transformación de 110 kV** que será propiedad de la SPV.
- **Opciones de conexión:** **Opción 1:** 6,1~km\$ de cable subterráneo hasta la subestación EVN existente.
- **Opción 2:** 1~km\$ de línea aérea a \$110~kV\$ de potencia

Producción de energía (estimación anual)

Sistema fijo: 137~GWh/año (basado en 1.745~kWh/m² de irradiación).

Sistema de seguimiento monoaxial: 177~GWh/año (basado en 2.235~kWh/m² de irradiación).

TARGET PRICE

\$ 4,500,000

BUSINESS TYPE

Energías renovables

COUNTRY

Bulgaria

BUSINESS ID

L#20251032

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