

# Projet solaire photovoltaïque de 100 MW + système de stockage d'énergie par batterie (DESS)



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## Projet solaire photovoltaïque de 100 MW + système de stockage d'énergie par batterie (BESS)

Ce profil décrit une opportunité d'investissement prometteuse dans un important projet d'énergie renouvelable en Bulgarie, centré sur une centrale solaire photovoltaïque (PV) à grande échelle avec un système de stockage d'énergie par batterie (BESS) pour la cogénération.

Le projet, désigné "**projet 1**" est un projet de développement énergétique à grande échelle centré sur une installation BESS (Battery Energy Storage System) de 100 MW/400 MWh. **100 MW/400 MWh BESS (système de stockage d'énergie par batterie)**. Il comprend une composante solaire photovoltaïque d'une capacité de base de **100 MWp** qui est hautement évolutive en raison de la capacité de réseau réservée, offrant un potentiel d'expansion jusqu'à **160 MWp**. Le projet est situé sur un vaste terrain faisant l'objet d'un contrat de location à long terme et comprend une documentation technique et de développement complète.

Détails techniques et de capacité

Terrains et infrastructures

- **Surface totale du terrain** : \$ 956,000~m2.
- **Propriété/bail** : Le terrain appartient à l'entité ad hoc et est garanti par un contrat de bail municipal de 35 ans. **contrat de bail municipal de 35 ans**.
- **Topographie** : Terrain plat avec une pente de 1 à 8 % vers le sud, garantissant l'absence d'obstacles à la visibilité.
- **Conception** : Études techniques et conception d'un **système de suiveur à axe unique** sont disponibles.
- **La cogénération** : Le site offre une **Option BESS** pour optimiser la tarification de pointe et dispose d'une **infrastructure gazière existante à proximité** pour des solutions hybrides potentielles.

Connexion au réseau

Le projet offre des options de connexion au réseau flexibles et sécurisées, le droit de passage étant inclus dans le prix.

- **Sous-station sur site** : A **poste de transformation de 110 kV** doit être construite sur le site et sera la propriété de l'entité ad hoc.
- **Options de connexion** : **Option 1** : 6,1~km\$ de câble souterrain jusqu'à la sous-station EVN existante.
- **Option 2** : 1~km\$ de ligne aérienne à une ligne de 110~kV\$ de \$110~kV\$.

Production d'énergie (estimation annuelle)

**Système fixe** : 137~GWh/an (sur la base de 1 745~kWh/m2 d'irradiation).

**Système de suivi monoaxial** : 177~GWh/an (sur la base de 2 235~kWh/m2 d'irradiation).

TARGET PRICE

\$ 4,500,000

BUSINESS TYPE

Centrale Électrique

COUNTRY

Bulgarie

BUSINESS ID

L#20251032

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