



**Techno
Group
Service**

2024

TGS

About TGS

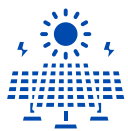
TechnoGroupService LLP is a kazakhstani engineering and developing group of companies that is engaged in the implementation of projects in the field of renewable energy sources.



TGS Portfolio



Carried out the assessment of wind energy potential in 4 regions of Kazakhstan.



Construction of solar power plants of 10 MW in 2019, 50 MW in 2022 and 50 MW in 2023.



Developed own electricity generation forecasting software for RE facilities in 2021.



Started to develop a wind turbines and PV modules manufacturing plants in Kazakhstan.

First in the Industry

- 1 Own development of IT-programs
- 2 Work under the B2B, B2C, B2G mechanisms
- 3 Own load-bearing metal structures for PV modules
- 4 Victory in presidential competition on quality "Altyn Sapa"
- 5 First educational business case in the field on RE for Nazarbayev University
- 6 Charter for the purposes of RES
- 7 Development of Green Bond Framework
- 8 Second Party Opinion issuance

Our Partners



Issuance of Green Bonds

for 50 MW "Kun Bulagy" solar power plant GBF & SPO supported by IFC and GFC

TGS



PPA contract with JSC "National Electric Grid of Kyrgyzstan".

Plot area: 80 Hectares.
Location of the SPP: Kyrgyz Republic, Issyk-Kul region, Toru-Aigyr village.
Service life: over 25 years.
Commissioning: Q III, 2024



| Project's main parameters | Value |
|---------------------------|--------------------|
| Capacity of Solar plant | 50 MW |
| Tariff | 0,049 USD per kW*h |
| PPA contract | 25 years |
| Capacity factor | 21% |
| Power generation per year | 85 mln. kW*h |

| Credit ratings of Central Asian countries | | | | Investment risks (Visual capitalist) |
|---|---------------|--------------|-----------------|---|
| Country | S&P Rating | Fitch Rating | Moody's Rating | |
| Kazakhstan | BBB- (Stable) | BBB (Stable) | Baa2 (Positive) | 2,9% |
| Kyrgyz Republic | - | - | B3 (Negative) | 9,9% |
| Tadjikistan | B- (Stable) | - | B3 (Stable) | 9,9% |
| Uzbekistan | BB- (Stable) | BB- (Stable) | Ba3 (Stable) | 5,5% |

| Date of issue | Maturity date | Expected output volume | Interest rate | Tenor | Call option | Bond repayment | Stock market |
|-------------------|---------------|------------------------|---------------|---------|----------------|------------------------------------|-----------------------------------|
| I quarter of 2024 | 2027 | Up to 25 mln.USD | 8% | 3 years | After 2nd year | Bank refinancing + state guarantee | KASE (Kazakhstani Stock Exchange) |



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Green Bond Framework and related Green Bond Issuance are in compliance with the Green Bond Principles of the International Capital Market Association.