Shivee Energy
AN INTEGRATED ENERGY PROJECT

Ulaanbaatar, Mongolia

- Thermal power plant
- Solar power plant
- Wind power plant
November of 2015. The President of Mongolia /TS. Elbegdorj/ and the President of the People’s Republic of China /Xi Jinping/ have signed a Memorandum of Understanding to execute the FEASIBILITY STUDY for the “Shivee Energy Complex Project of Energy Export” during the Mongolian President’s visit to the People’s Republic of China.
...As far as the production of energy, “Shivee Energy” project is being implemented. First, we need to build 4 to 5 power plants to ensure the supply of energy over the next 10 years. By doing so, we will be capable of fully supplying domestic energy demands in the next 10 to 15 years...

Prime Minister of Mongolia,
Erdenebat Jargaltulga
About Us

Erdenes Shivee Energy LLC is the largest resource holder joint venture between private and state owned company Erdenes Mongol and AqSora LLC.

Our company purpose is to supply fossil fuel and renewable energy resources to the Shivee Energy project.
Description of Shivee Energy project

The Shivee Energy is complex project which is integrating fossil fuel and renewable energy including transmission line for energy export.

1. Coal mine with the capacity 20 million tons/per year.

2. Power plant with installed capacity of 5,280 MW.

3. Transmission line with the capability to transmit 4,600 MW ±660 kV UHV.

4. Renewable power plants with an installed capacity of 15 percent of coal fired power plants.
Location

The project is located in the Shivee Ovoo strategic coal deposit area in Shivee-Gobi and Sumber soum of Gobisumber province, Mongolia. The project location lies 200 km to the southeast of Ulaanbaatar, 400 km to the Mongolian and Chinese border.
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Approved resource report results are summarized as follows:

- Measured /A/, 27.01 Mt
- Indicated /B/, 663.04 Mt
- Inferred /C/, 613.07 Mt
- A+B+C, 1,303.1 Mt
Resource Data

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- A+B+C, 1,303.1 Mt
Project goal

**Project Developer:** Erdenes Shivee Energy LLC

**Our goal:** Shivee Energy project to be a CORNERSTONE of Northeast Asia Power Interconnection.
State Grid Corporation of China selected 3 different institutions in early 2016 through an international open tender to carry out the Feasibility Study for the Shivee Energy Complex Project.

• Shandong Electric Power Engineering Consulting Institute - Power Plant and Transmission Line.

• CCTEG Shenyang Engineering Company - Coal mine.

• The Inner Mongolia Water Resources and Hydropower Survey and Design Institute - Water supply of the complex project.
History of our Cooperation

2016.04.07
Pre feasibility study presentation by State Grid corporation of China

2016.07
Joint meeting between Erdenes Mongol LLC and Erdenes Shivee Energy LLC with State Grid corporation

2016.08.22-23
Top leaders of State Grid corporation has been visited to Ulaanbaatar for meeting with Ministry of Energy, Ministry of Mining and other related organization.
History of our Cooperation

2017.08.24
Chairman of Global Energy Interconnection Development and Cooperation Organization (GEIDCO), Chairman of China Electricity Council Mr. Liu Zhenya with Speaker of parliament of Mongolia Mr. Enkhbold.

Deligation of Erdenes Mongol LLC and Erdenes Shivee Energy LLC has been visited to the State Grid head office for meeting with management team of State Grid corporation of China.

2017.01.11

2017.02.23-24
Meeting between top managers from Erdenes Mongol LLC and Erdenes Shivee Energy LLC and State Grid corporation in Ulaanbaatar.
The President of Mongolia and the President of the People’s Republic of China have signed a Memorandum of Understanding to execute the FEASIBILITY STUDY for the “Shivee Energy Complex Project of Energy Export”.

On April 13, 2016, a consultative meeting was held on the project’s PRELIMINARY FEASIBILITY STUDIES and Mongolia-China energy cooperation.

State Grid Corporation of China selected 3 different institutions in early 2016 through an international open tender to carry out the Feasibility Study for the Shivee Energy Complex Project of Energy Export.

Planned to complete Feasibility study on December, 2016
Erdenes Mongol LLC, Erdenes Shivee Energy LLC met with State Grid corporation in Ulaanbaatar of Mongolia and agreed to establish a working group for verify coal resources.

Time Frame

2016.12
The Feasibility study postponed until IV quarter of 2017

2017.01
State Grid corporation and Erdenes Shivee Energy LLC planned to finish on IV quarter of 2017

2017.02
Erdenes Mongol LLC, Erdenes Shivee Energy LLC met with State Grid corporation in Ulaanbaatar of Mongolia and agreed to establish a working group for verify coal resources

Expected to receive Feasibility study from State Grid corporation

IV quarter of 2017*
**Project development**

**Pre-feasibility Study**
- Completed – April 2016

**Feasibility Study**
- Expected to complete - **IV quarter of 2017** by State Grid Corporation of China.
Thank you for your attention!