

# **The Energy Storage Lithium Battery Project with Annual Production Capacity of 12GWh**

## **I. Background of the project**

### **i. Market Analysis**

Relying on the abundant salt lake lithium resources in Qinghai, Nanchuan Industrial Park, according to the planning and layout, and through careful planning, has initially formed a lithium battery industrial chain in Xining with anode and cathode materials-diaphragm-power and energy storage batteries as the core. Qinghai has abundant sunshine and is rich in wind and solar energy resources, so it enjoys unique advantages in developing energy storage industry with broad market prospect.

### **ii. The advantages of Xining**

(i) Industrial advantage: the three industrial parks of Nanchuan, Dongchuan and Ganhe in the Development Zone, centering on the lithium industry chain, have attracted enterprises producing cathode materials, anode materials, electrolyte, power (energy storage) batteries and magnesium based batteries to settle in, and have realized large-scale production with complete industrial chain; at the same time, abundant land resources and sound basic supporting conditions lay the foundation for the development of lithium industry.

(ii) Location advantage: Nanchuan Industrial Park is located in the south of Xining City, with a planning area of 31.39 square kilometers. It is 8 kilometers away from the city center, 13 kilometers away from the railway freight station and 30 kilometers away from the airport, with Xita Expressway, Ninggui Expressway and Xijiu Highway passing through.

## **II. The supply of major raw materials**

Qinghai is rich in mineral resources, especially famous for its numerous salt lakes. It has initially proved 22.48 million tons of lithium chloride in salt lakes, accounting for more than 90% of the proven reserves in China, and a third of the world's salt lake lithium resources. In terms of industrial development, the lithium carbonate industry has a production capacity of 62,000 tons, and its capacity under construction is 90,000 tons; the production capacity of aluminum foil is more than 30 million square

meters; the production capacity of copper foil is 35,000 tons, and its capacity under construction is 30,000 tons; the annual output of lithium hexafluorophosphate is 6,000 tons.

### **III. Content and Scale of Project Construction**

The project is planned to cover an area of 600 mu (40 hectares) and build an annual production line of 12GWh energy storage battery.

### **IV. Construction conditions**

The project is planned to be built in Nanchuan Industrial Park, 8km away from Xining city. The infrastructure in the Park is well established, and the water supply, drainage, power, gas, communication, cable TV and computer broadband network supporting the road network are in place. The Xita Highway and Xijiu Highway pass through the Park, and the ramp of Xinzhuang highway is located at the entrance of the Park, so the logistics are very convenient. There are one 330kV substation and two 110kV substations, which can fully meet the production and living needs of investors.

### **V. The progress of the project**

*The Project Proposal* has been completed.

### **VI. Investment budget, cooperation mode and economic benefit**

The total investment of the project is 4 billion yuan, and the economic benefit will be 5 billion yuan after the completion of the project.

### **VII. Preferential policies**

The project enjoys preferential policies of the Western Development Program, investment preferential policies of Xining Economic and Technological Development Zone and related preferential policies of provincial government on strengthening investment promotion.

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