

The background is a faded, light-colored aerial photograph of a city skyline. A prominent feature is a tall, slender tower with a spherical top, resembling the Kuala Lumpur Tower. Other skyscrapers and buildings are visible in the background, creating a dense urban landscape.

# AQ GROUP

**CREATING THE DIGITAL FUTURE**

**3Q  
YEARS**

**The Company started its business in July 1993 in Aktobe, Kazakhstan, with a small wholesale of petroleum products.**

**Since January 1999, it has established a Joint Venture with the German company S.E.T. Select Energy GmbH (Hamburg), which built a network of gas stations in four cities: Aktobe, Atyrau, Aktau, and Uralsk. It also built a network of terminals for storing and transshipment oil and oil products, becoming the market leader in Western Kazakhstan.**





**From 2004 to 2019, the company was involved in oil refining at the Atyrau Refinery and further selling oil products for export.**

**From 2009 to 2012, the company purchased 3 722 units of new, own railway tank cars to transport oil and oil products, becoming the third largest private company in the Republic of Kazakhstan.**

**From 2016 to 2019, the Company was one of the major shareholders of Tethys Petroleum Limited, an oil public company listed on the London and Toronto Stock Exchanges.**



**In 2019, AQ Group founded the Kazakhstan Association of Blockchain Technologies, which initiated laws concerning the Digital Mining industry in the country.**

**Digital Mining in Kazakhstan was first regulated in 2020 as part of the Law “On Informatization” Thus, Kazakhstan became the first country in the world to legalize, regulate, and support the Digital Mining industry.**

**In June 2021, the Law ‘On Taxation of Digital Mining’ was adopted.**

**In November 2021, Kazakhstan took second place in the world in Digital Mining of Bitcoin after the USA.**

**The current Law ‘On Digital Assets in the Republic of Kazakhstan’ was adopted on February 6, 2023, under which Digital Mining became a licensed activity.**



BLOCKCHAIN & AI  
ASSOCIATION



MAZHILIS  
OF THE PARLIAMENT  
OF THE REPUBLIC  
OF KAZAKHSTAN

**Since 2020, AQ Group has been involved in Bitcoin Digital Mining operations, starting from 6 MW and increasing its capacity 22 times in 1.5 years to 132 MW.**

**Today, the company has three mining farms. Two use their own energy produced from gas-piston generators and another purchases power from the national grid operator.**

**At these farms, the company uses computing equipment (Asics, model Avalon Miner1246) manufactured by Canaan Creative, a public company listed on the Nasdaq exchange.**





# Mining sites AQQ in Kazakhstan **132MW**



«Site #1»



Aktobe

**Total Capacity : 24 MW**

Hashrate : 530 Ph/s

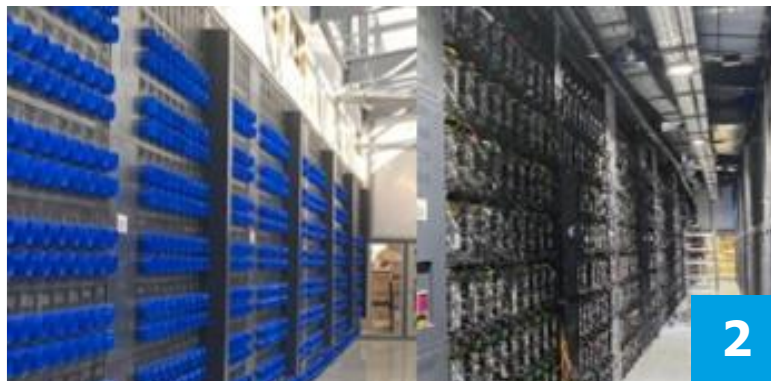
ASIC Model: A1066Pro, A1166 Pro

**Launch date:**

1 stage: **6 MW** - August 2020

2 stage: **6 MW (12 MW)** - December 2020

3 stage: **12 MW (24 MW)** - March 2021



«Site #2»



Aktobe

**Total Capacity : 54 MW**

Hashrate: 1390 Ph/s

ASIC Model: A1166 Pro

**Launch date:**

1 stage: **12 MW** - April 2021

2 stage: **14 MW** - March 2022

3 stage: **14 MW** - April 2022

4 stage: **14 MW** - June 2022



«Site #3»



Karaganda

**Total Capacity : 54 MW**

Hashrate: 1350 Ph/s

ASIC Model: A1246

**Launch date:**

**54 MW** - June 2022

**The Company plans to increase the generation and supply of electricity from gas using Caterpillar gas piston generators to its own Data centers from the existing 78 MW to 500 MW or more.**

**To do so, the company plans to purchase modular units manufactured in the USA to purify raw gas and subsequent use of marketable gas for power generation.**





**The Company has started implementing a pilot project to construct a hybrid power plant (wind, solar, and batteries) with a capacity of 50-250 MW, with a further step-by-step increase in capacity up to 5000 MW and more. For this purpose, the company is negotiating with the top 10 world leaders in the production of equipment for WPP, SPP, and electricity storage systems.**

**The advantage of WPP/SPP is the production of clean (green) electricity, which is more cost-effective than other energy sources and has a fixed price for up to 25 years.**





**Kazakhstan, the ninth largest country by territory, possesses immense wind and solar potential for constructing wind and solar power plants.**

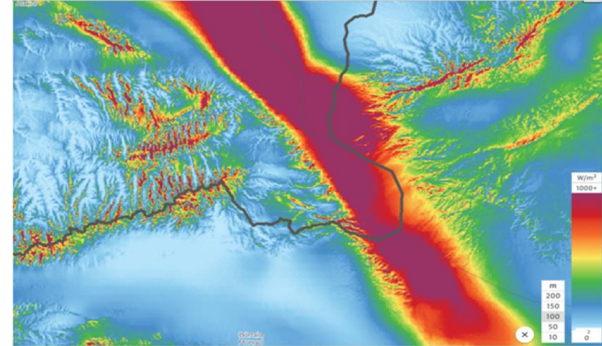
**One unique location in Kazakhstan, known as the Dzungarian Gate, stands out:**

**Dzungarian Gate Energy Spot: Situated in the Almaty and East Kazakhstan regions near the border with China, this area has the most concentrated wind potential globally. The total potential of the Dzungarian Gate region, spanning an area of 7,300 km<sup>2</sup>, is estimated to exceed several thousand megawatts, with a possible annual generation capacity of up to 366 billion kWh.**

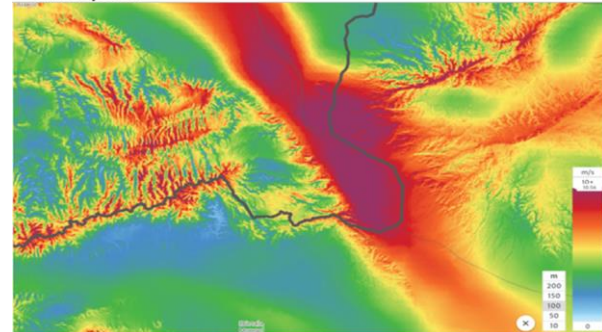
**Wind Measurements: Studies indicate that the average annual wind speed at a height of 88.6 meters is 9.55 m/s (North) and 10.74 m/s (South), showcasing this region's significant wind energy potential.**

**This strategic location and its vast renewable energy capabilities present a compelling opportunity for large-scale wind and solar power development, underscoring the strategic importance of this project**

Wind density



Wind speed



**AQG plans to construct infrastructure for Data Centers of three different types:**

**1. Data Centers for Artificial Intelligence (AI) Computing Services:**

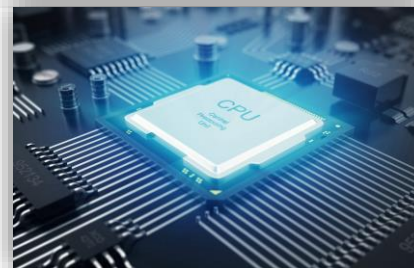
**These Data Centers will provide computing services for AI applications, including machine learning (ML). They will utilise GPU (Graphics Processing Unit) computational equipment.**

**2. Data Centers for Data Processing and Storage:**

**These Data Centers will focus on processing and storing data for the IT industry and employ CPU (central processing unit) computational equipment.**

**3. Data Centers for Digital Asset Production:**

**These Data Centers will be dedicated to producing digital assets (digital gold—Bitcoin) and will use ASICs (Application-Specific Integrated Circuit) computational equipment.**





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