ihlas Investment

中国丝路集团有限公司

IHLAS INVESTMENT CHINA SILK ROAD GROUP

STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

As a Game Changer "Gas Hydrates"

Funding and Investment Opportunities for Gas Hydrates

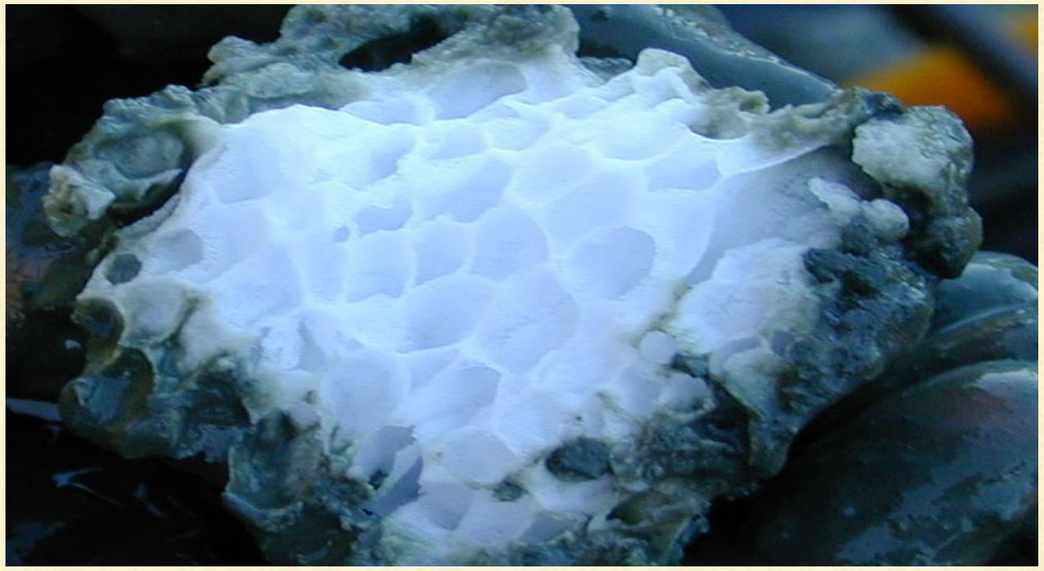
Private & Confidential

Gas Hydrates

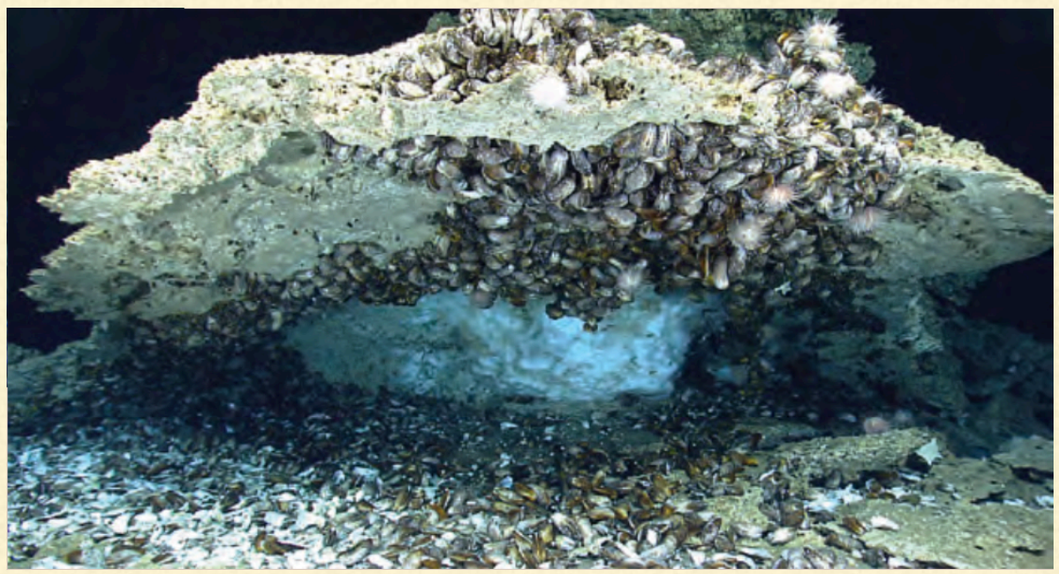
İhlas Investment | 中国丝路集团有限公司
IHLAS INVESTMENT | CHINA SILK ROAD GROUP
STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

Gas hydrate is a naturally occurring, ice-like substance that forms when water and gas combine under high pressure and at moderate temperatures.

Methane is the most common gas present in gas hydrate and it also called "methane hydrate" and "burning ice"



Since the 1970's, gas hydrates have generated a great deal of excitement as an energy and fuels course



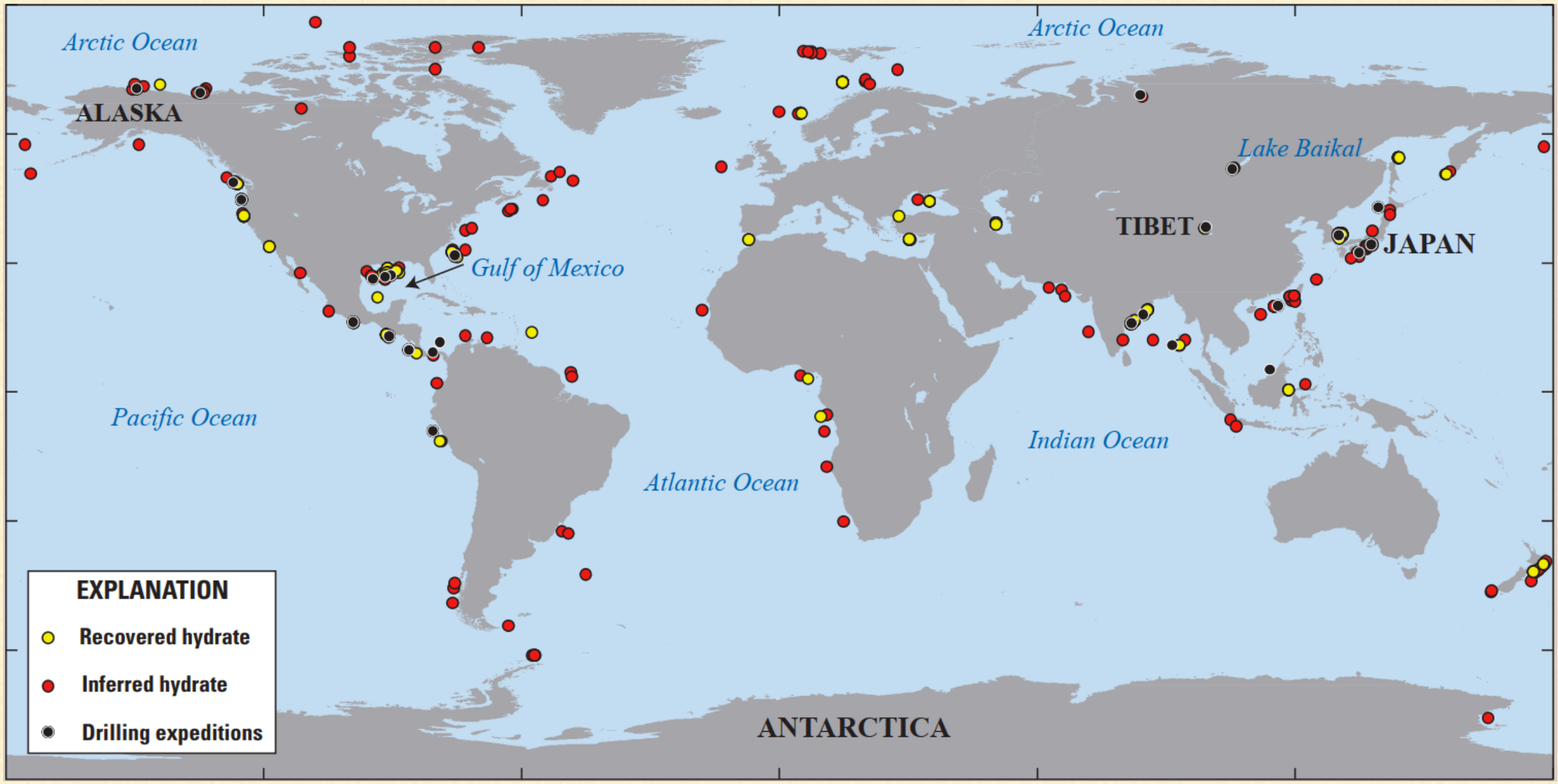
İhlas Investment

中国丝路集团有限公司

IHLAS INVESTMENT CHINA SILK ROAD GROUP

STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

Locations Where Gas Hydrates Has Been Recovered and Inferred



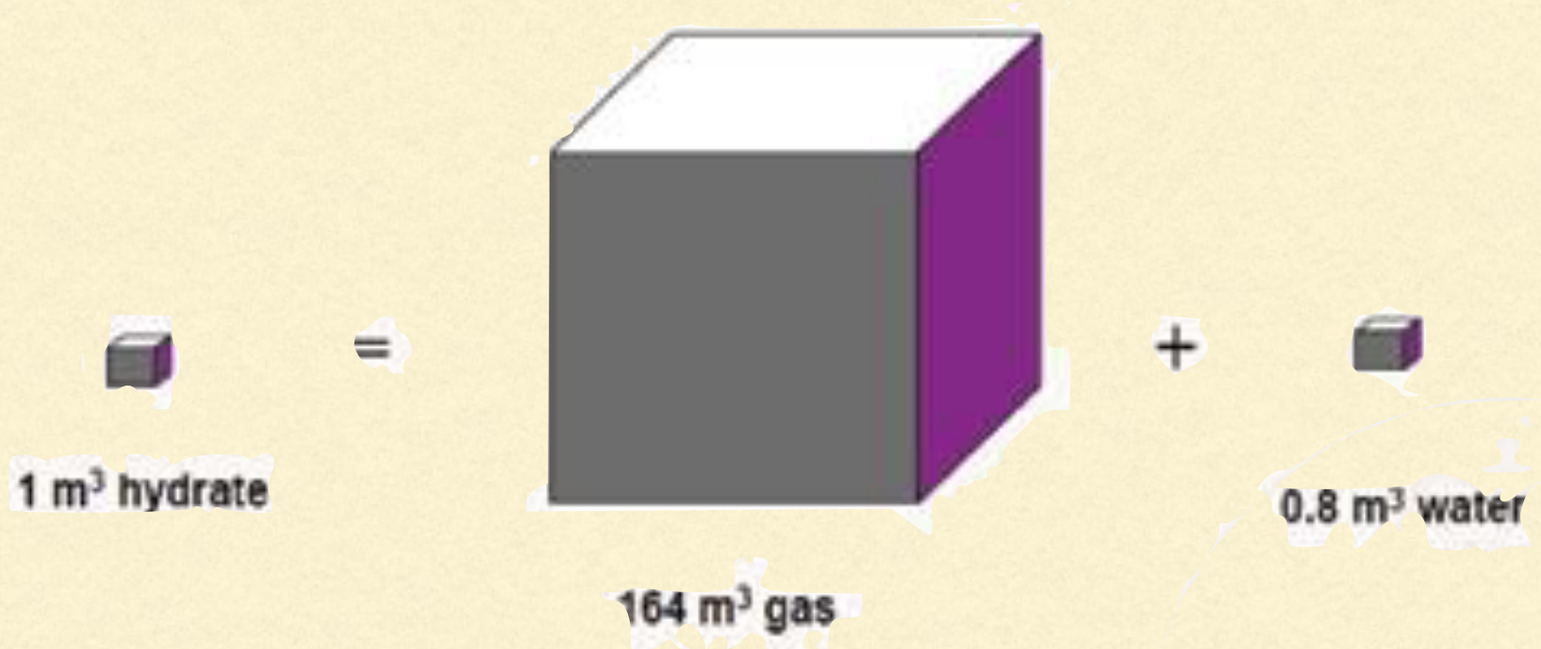
USGS

Gas Hydrates Efficiency

İhlas Investment | 中国丝路集团有限公司 IHLAS INVESTMENT | CHINA SILK ROAD GROUP

STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

Gas hydrates accepted as “game changer” in energy industry with its efficiency. One cubic foot of gas hydrate releases 164 cubic feet of natural gas.



Japan and Gas Hydrates

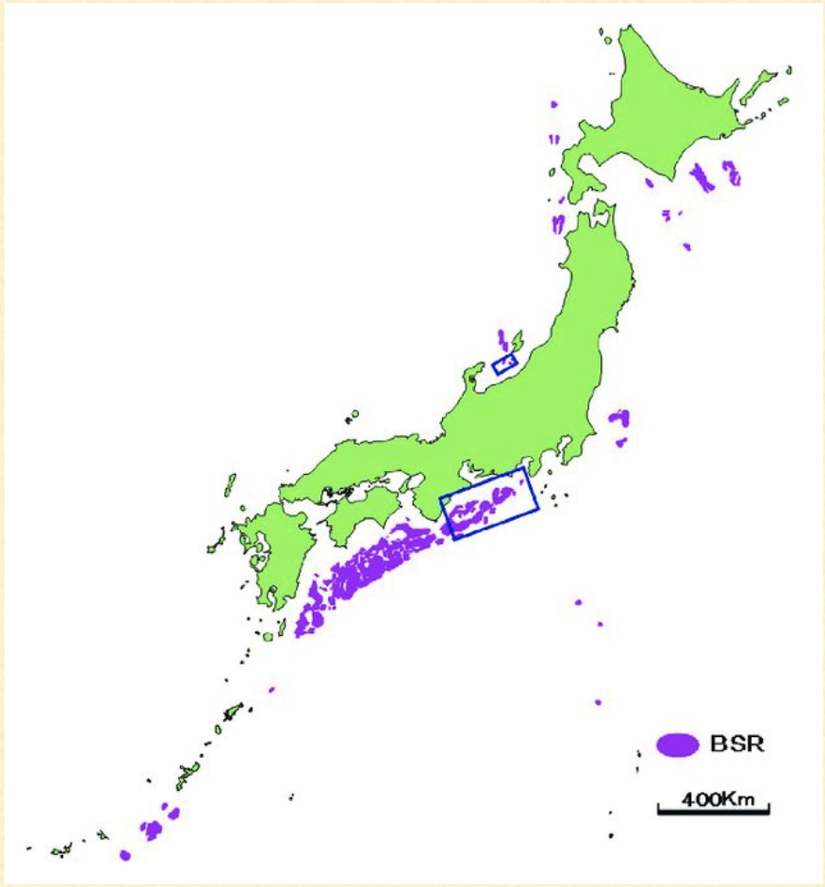
İhlas Investment | 中国丝路集团有限公司 IHLAS INVESTMENT | CHINA SILK ROAD GROUP

STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

Japan has been researching hydrates for decades. Accordingly with their strategic energy plan. The presence of significant reserves of methane hydrate is expected in the seas surrounding Japan so it is an important energy resource contributing to the stable supply of energy to Japan.

Therefore during the period from 2023 to 2027 Japan will carry out technology development with the aim of projects for commercialization led by private sector companies being commenced.

A Japanese study has estimated that at least 1.1 trillion cubic meters of methane hydrates lie in the eastern Nankai Through off the country's Pacific coast, equal to about 11 years of Japanese gas consumption. (Reuters)



Gas Hydrates in Seas Around Japan

Turkey and Gas Hydrates

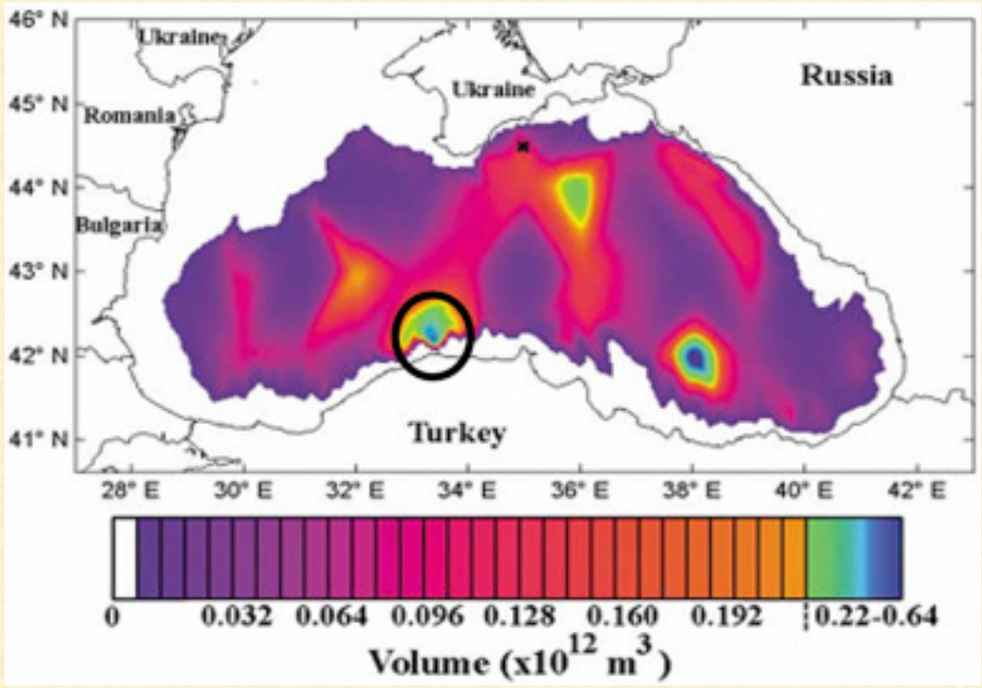
İhlas Investment | 中国丝路集团有限公司 | IHLAS INVESTMENT | CHINA SILK ROAD GROUP

STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

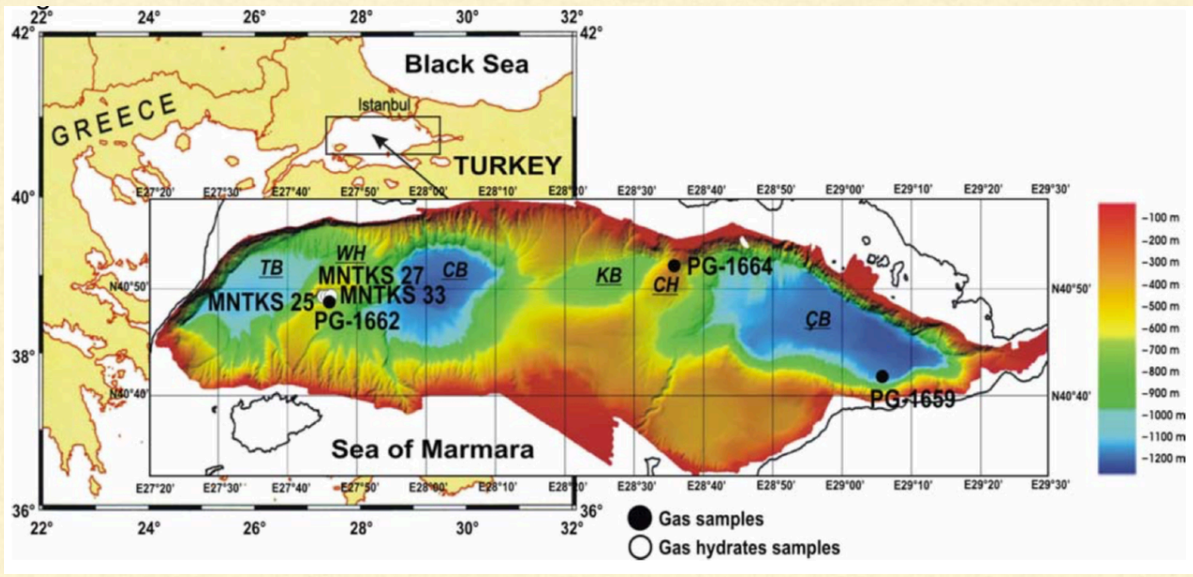
MTA's (General Directorate of Mineral Research and Exploration) report about the Turkey's "Gas Hydrate Potential of the Eastern Mediterranean Basin" emphasizes, it is shown that there is a high producible gas hydrate potential (~ 98.16 standard trillion cubic meter) in the Mediterranean Basin.

Likewise, Turkey has also large reserves for Gas Hydrates in Black Sea and Marmara Sea.

Turkey is rich with gas hydrates also has technology. But to process entire work, we need equipment and technology partners to extract and commercially use this resources.



Black Sea Gas Hydrate Map



Marmara Sea Gas Hydrate Map

Energy Fund by Turkey-China-Russia

İhlas Investment | 中国丝路集团有限公司 IHLAS INVESTMENT | CHINA SILK ROAD GROUP

STRATEGIC COOPERATION IN FINANCING & ENERGY & INVESTMENT AREAS

China is one of the pioneer countries for gas hydrate extraction. and has required technology. In 2018, China Geological Survey (CGS) has said "China will develop a "technology platform" to enhance the commercial exploitation of methane hydrates"

Turkey, China and Russia have very large gas hydrate areas.

To evaluate this very precious sources, governments need to find private sector partners. Establishing a Private Equity Fund for Gas Hydrates is a way for that.

We are looking for that will participate finance, fund "Gas Hydrates" projects all over the world.

It will attract Turkey, China and Russia State Funds and other international investors for "New energy source that will change the world's Dynamics in a very near future."

References

1-Japan's Strategic Energy Plan
2-https://www.reuters.com/article/japan-methane-hydrate-idUSL4N11A35A
3-https://dergipark.org.tr/download/article-file/606299
4-Exploitation of Methane Hydrate in a Deep Seabed Environment
5-USGS-Gas Hydrate in Nature

Cemil Ceyhan Aral
Vice President
Tel: +90 505 261 29 12
cemil.aral@ihlas.com.tr

Ahmet Bahattin Mahdum
Business Development Manager
Tel: +90 555 734 92 40
bahattin.mahdum@ihlas.com.tr